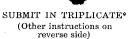
Form DOGC-1a

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL & GAS



5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 1a. Type of Work 7. Unit Agreement Name DRILL XX DEEPEN PLUG BACK b. Type of Well $_{\mathrm{Well}}^{\mathrm{Oil}}$ Multiple 8. Farm or Lease Name Single Zone Gas Well **SWD** Other 2. Name of Operator Saleratus Waste Water Sys Gulf Oil Corporation SWD 2-17C5 10. Field and Pool, or Wildcat 3. Address of Operato P.O. Box 2619; Casper, Wyoming 22601 Location of Well (Report location clearly and in accordance with any State requirements.*) Altamont
11. Sec., T., R., M., or Blk.
and Survey or Area 1374' SNL & 1174' WEL (SE NE) At proposed prod. zone 17-3S-5W 12. County or Parrish Same

14. Distance in miles and direction from nearest town or post office* 13. State * See reverse side

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) of section 17 Utah Duchesne 17. No. of acres assigned to this well 16. No. of acres in lease 1374'FNL & 1174'FEL 640' 18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. to nearest. We 19. Proposed depth 20. Rotary or cable tools 3700' to nearest well Rotary 21. Elevations (Show whether DF, RT, GR, etc.) 22. Approx. date work will start* 5775' GL PROPOSED CASING AND CEMENTING PROGRAM Size of Hole Size of Casing Quantity of Cement Weight per Foot Setting Depth 20" 16" 301 65# H-40 Cmt to surface 12-1/4" 9-5/8" 500' 36# K-55 Cmt to surface 8-3/4" 26# K-55 TD Cmt to surface Propose to drill 3700' well for produced water disposal into the Green River formation. BOP - Hydraulically actuated double gate from 500' to TD. 10" Series 900 equipment. Mud - Fresh water, low solids, non-dispersed from surface to TD. IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any. Area Drilling Superintendent Date (This space for Laty LORe Permit No Approved by..... Date..... Conditions of approval, if any:

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

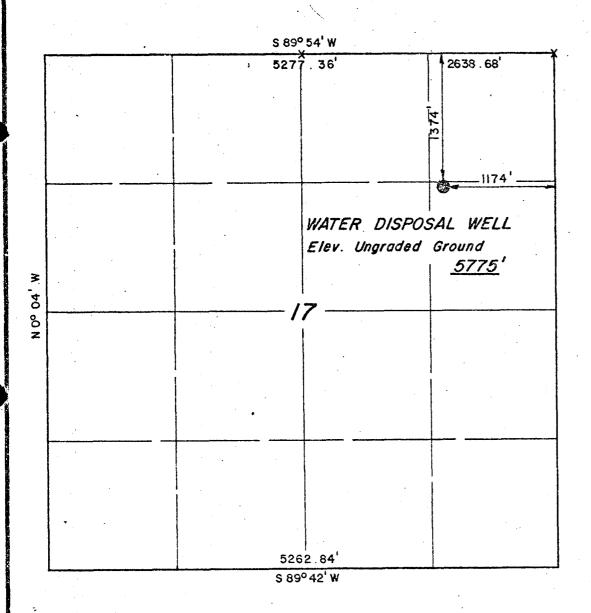
Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

No. 14 Duchesne, Utah 6-1/2 miles W., 4-1/2 miles N., 2 miles SE to location

cc: Gulf Oil Corp., Box 2100, 18th Floor, Houston, Texas 77001 Attn: W. F. Pinkerton

T3S, R5W, U.S.B.&M.



X = Section Corners Located

PROJECT GULF OIL CORPORATION

Water Disposal Well location, located as shown in the SE 1/4 NE 1/4, Section 17, T3S, R5W, U.S.B.&M. Duchesne County, Utah.

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

> REGISTERED LAND SURVEYOR REGISTRATION Nº 3154 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING PO BOX Q - 110 EAST - FIRST SOUTH VERNAL. UTAH - 84078

1	-
SCALE 1" = 1000'	DATE 5/ 12 / 75
M.S. D.A. D.G.	REFERENCES GLO Plat
WEATHER Worm	FILE GULF OIL CORP.

Warm

Form DOGC-1a

Approved by ..

Conditions of approval, if any:

STATE OF UTAH



DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL & GAS 5. Lease Designation and Serial No. 6. If Indian, Allottee or Tribe Name APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 1a. Type of Work 7. Unit Agreement Name DRILL XX DEEPEN | PLUG BACK | b. Type of Well $_{\mathrm{Well}}^{\mathrm{Oil}}$ Multiple 8. Farm or Lease Name Single Zone Gas Well SWD Other 2. Name of Operator Saleratus Waste Water Sys Gulf 011 Corporation 3. Address of Operator SWD 2-17C5 Field and Pool, or Wildcat P.O. Box 2619; Casper, Wyoming 4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface Al tamont 11. Sec., T., R., M., or Blk. and Survey or Area 1374' SNL & 1174' WEL (SE NE) At proposed prod, zone 17-3S-5W Same

14. Distance in miles and direction from nearest town or post office' 12. County or Parrish 13. State * Sae reverse side

15. Distance from proposed* 1374 FNL & 1174 property or lease line, ft. (Also to nearest drlg. line, if any) of section 17

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.

54 N & 145 W to nearest we **Duchesne** Utah 17. No. of acres assigned to this well 16. No. of acres in lease 1374'FNL & 1174'FEL 6401 19. Proposed depth 20. Rotary or cable tools to nearest well 3700' Rotary 21. Elevations (Show whether DF, RT, GR, etc.) 22. Approx, date work will start 5775' PROPOSED CASING AND CEMENTING PROGRAM Size of Hole Size of Casing Weight per Foot Setting Depth Quantity of Cement 20" 16" 30' 65# H-40 CMt to surface 12-1/4" 500' 36# K-55 Cmt to surface 8-3/4" TD Cmt to surface 26# K-55 Propose to drill 3700' well for produced water disposal into the Green River formation. BOP - Hydraulically actuated double gate from 500' to TD. 10" Series 900 equipment. Mud - Fresh water, low solids, non-dispersed from surface to TD. IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout 24. Original Signed by Area Drilling Superintendent J. A. LAYTON June 6. 1975 (This space for Mederal or Laytone use Permit No.

Date.

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

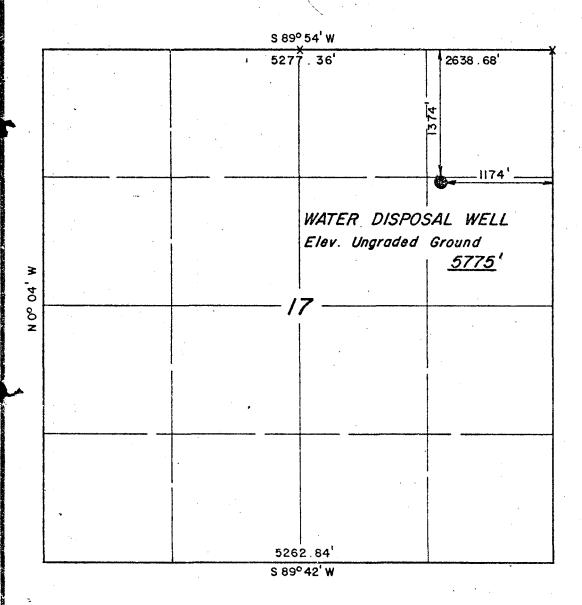
Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

No. 14 Duchesney Utah 6-1/2 miles W., 4-1/2 miles N., 2 miles SE to location

cc: Gulf Oil Corp., Box 2100, 18th Floor, Houston, Texas 77001 Attn: W. F. Pinkerton

T3S, R5W, U.S.B.&M.



X = Section Corners Located

PROJECT GULF OIL CORPORATION

Water Disposal Well location, located as shown in the SE 1/4 NE 1/4, Section 17, T3S, R5W, U.S.B.&M. Duchesne County, Utah.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION Nº 3154

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

STATE OF UTAH

SCALE = 1000'	DATE 5/ 12 / 75
M.S. D.A. D	REFERENCES GLO Plat
WEATHER	FILE CULE OU CORD

Form DOGC-1a

Conditions of approval, if any:

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL & GAS

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

5. Lease Designation and Serial No.

Type of Work				
DRILL	XX	DEEPEN []	PLUG BA	7. Unit Agreement Name
Type of Well			Single [7] Mult	iple 8. Farm or Lease Name
Well Gas Well Well	Other	SMD	Single Mult Zone Zone	
wif 011 Corpor	ration			9. Well No.
ddress of Operator		<u> </u>		SWD 2-17C5
.O. Box 2619;	Casper, Hyomin	ig 82601		10. Field and Pool, or Wildcat
surface		accordance with any State	requirements.*)	Altamont
1374' St	IL & 1174' WEL	(SE ME)		11. Sec., T., R., M., or Blk. and Survey or Area
proposed prod. zone	Samo			17-3S-5W
Distance in miles and di	rection from nearest tow	n or post office*		12. County or Parrish 13. State
See reverse	side			Duchesne Uta
Distance from proposed* ocation to nearest property or lease line, ft			o. of acres in lease	17. No. of acres assigned to this well
Also to nearest drlg. line	e, if any)	setu	roposed depth	20. Rotary or cable tools
nearest well, drilling, applied for, on this lea	completed,	st well	3700'	Rotary
levations (Show whether	DF, RT, GR, etc.)			22. Approx. date work will start*
775° GL			*.	~
	I	PROPOSED CASING ANI	CEMENTING PROGRAM	Ţ.
Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
20*	16"	654 H-40	30'	Cat to surface
12-1/4"	9-5/8"	364 K-55	200.	CHE to syrraca
8-3/4"	y		534	
ropose to dril	11 3700' well 1	or produced wa	ter disposel in	to the Green River
ropose to dril ormetion. OP - Hydraulic	cally actuated	double gate fr	om 500' to TD.	to the Green River 10" Series 900 equipment.
ropose to dril ormetion. OP - Hydraulic	cally actuated	double gate fr	·	to the Green River 10" Series 900 equipment.
ropose to dril ormetion. OP - Hydraulic	cally actuated	double gate fr	om 500' to TD.	to the Green River 10" Series 900 equipment.
ropose to drii ormation. OP - Hydraulic	cally actuated	double gate fr	om 500' to TD.	to the Green River 10" Series 900 equipment.
ropose to dril ormetion. OP - Hydraulic	cally actuated	double gate fr	om 500' to TD.	to the Green River 10" Series 900 equipment.
ropose to dril ormetion. OP - Hydraulic	cally actuated	double gate fr	om 500' to TD.	to the Green River 10" Series 900 equipment.
ropose to drii ormation. OP - Hydraulic	cally actuated	double gate fr	om 500' to TD.	to the Green River 10" Series 900 equipment.
ropose to dril ormation. OP - Hydraulic ud - Fresh wai	cally actuated ter, low solids	double gate fr , non-disperse	om 500' to TD.	to the Green River 10" Series 900 equipment. to TD.
ropose to drillormation. OP - Hydraulic ud - Fresh wat BOVE SPACE DESCRIPT e zone. If proposal is	cally actuated ter, low solids be proposed programme.	double gate from non-disperse	com 500° to TD. d from surface	to the Green River 10" Series 900 equipment.
ropose to drillormation. OP - Hydraulic ud - Fresh wat BOVE SPACE DESCRIPT e zone. If proposal is	ter, low solids BE PROPOSED PROGRA to drill or deepen directi	double gate from non-disperse	epen or plug back, give da	to the Green River 10" Series 900 equipment. to TD. ta on present productive zone and proposed new and measured and true vertical depths. Give blooming the series of t
ropose to drillormation. OP - Hydraulic ud - Fresh wat BOVE SPACE DESCRIPT e zone. If proposal is ther program, if any. Original Sign J. A. LAYT	ter, low solids BE PROPOSED PROGRA to drill or deepen direction	AM: If proposal is to de onally, give pertinent dat	epen or plug back, give da a on subsurface locations a	to the Green River 10" Series 900 equipment. to TD. ta on present productive zone and proposed new and measured and true vertical depths. Give bleen the content of the
ropose to drill ormation. OP - Hydraulic and - Fresh was been been been been been been been bee	BE PROPOSED PROGRA to drill or deepen direction	double gate from non-disperse	epen or plug back, give da a on subsurface locations a	to the Green River 10" Series 900 equipment. to TD. ta on present productive zone and proposed new and measured and true vertical depths. Give blooming the series of t
ropose to drillormation. OP - Hydraulic ud - Fresh was BOVE SPACE DESCRI e zone. If proposal is ther program, if any. Original Sign J. A. LAYI	BE PROPOSED PROGRA to drill or deepen direction	AM: If proposal is to de onally, give pertinent dat	epen or plug back, give da a on subsurface locations a	to the Green River 10" Series 900 equipment. to TD. ta on present productive zone and proposed new and measured and true vertical depths. Give bleen the content of the
BOVE SPACE DESCRIPTION OF A HYDRAU ICAN A LAY TO THE TOTAL A LAY T	BE PROPOSED PROGRA to drill or deepen direction	AM: If proposal is to de onally, give pertinent dat	epen or plug back, give da a on subsurface locations a	to the Green River 10" Series 900 equipment. to TD. ta on present productive zone and proposed new and measured and true vertical depths. Give bleen the content of the
BOVE SPACE DESCRIPTION OF THE PROPERTY OF THE	BE PROPOSED PROGRA to drill or deepen direction and by ON Layton State office use)	AM: If proposal is to de onally, give pertinent dat	epen or plug back, give da a on subsurface locations a	to the Green River 10" Series 900 equipment. to TD. ta on present productive zone and proposed new and measured and true vertical depths. Give bleerintendent Date

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions. Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone. Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

6-1/2 miles M., 4-1/2 miles M., 2 miles SE to location No. 14 Dechesse, Utah

Gulf Oil Corp., Box 2100, leth Floor, Houston, Texas 77001

ä

Atta: W. F. Pinkerton

Gulf Oil Company-U.S.

PRODUCTION DEPARTMENT CASPER AREA

J. D. Richards
AREA PRODUCTION MANAGER

June 6, 1975

P. O. Box 2619 Casper, Wyo. 82601

Division of Oil and Gas Conservation State of Utah 1588 West North Temple Salt Lake City, UT 84116

Attn: Cleon B. Feight, Director

Re: Disposal Wells, Altamont and Bluebell Fields, Duchesne County, Utah

Dear Sir:

Attached are the Gulf Oil Corporation applications to the Board of Oil and Gas Conservation of the State of Utah for permission to drill and complete two waste water disposal wells and to dispose of waste water in said wells.

Gulf Oil Corporation requests administrative approval for these applications so that work may proceed without delay in order to complete the well before winter.

Also attached are the completed "Application for Permit to Drill, ---", State Forms OGC-la, for these proposed disposal wells. Gulf Oil Corporation does not wish to appear presumptuous but desires to further expedite the approval process by submitting both applications for each well, together.

• Gulf Oil Corporation respectfully requests your approval of these applications.

Your assistance is greatly appreciated.

Very truly yours,

5 Seales

For: J. D. Richards/

FSG:jm

Attachments



	FILE NOTATIONS
Date: Jame	24-
Operator: A	es al
Well No:	Daleratus Waster Distant 2-170
Location: Sec. 17	T. 35 R. 5W County: Michisur
/	
/	
File Prepared	Entered on N.I.D.
Card Indexed	Completion Sheet
-	
Checked By:	
Administrative Ass	istant:
Remarks:	de grande de la
	/Mined Land Coordinator: At W
Remarks:	Pelled Cold
Director:	
Remarks:	
T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	*****
Include Within Approval	· · · · · · · · · · · · · · · · · · ·
Bond Required	Survey Plat Required
	aphical exception/company owns or controls acreage
	a 660' radius of proposed site
O.K. Rule C-3	O.K. In Unit
Other:	ale C-11
	Letter Written
£) / · · ·	<i>t</i>

Il o'pour completion of the proposed disposa' are the it is required that a sample of the mater originally

contained in the proposed disposal formations be taken, and an copy of the analysis be submitted to this office."

Gulf Oil Corporation
Box 2619
Casper, Wyoming 82601

Re: Well No's:
Saleratus Waste Disposal #2-17C5
Sec. 17, T. 3 S, R. 5 W,
Centrel Bluebell Waste Disposal 2-26A2
Sec. 26, T. 1 S, R. 2 W,
Duchesne County, Utah

Gentlemen:

Please be advised that administrative approval under Rule C-11, General Rules and Regulations, is hereby granted for the drilling of the above referred to wells.

However, it should be noted that this approval is granted on a short term (10 year) basis at which time the water disposal program will be reviewed.

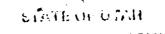
Said approval is conditional upon adhereing to the provisions of the Order issued in Cause No. 139-9, outlined as follows:

- A) Applicant will take two samples of formation water by production swab tests at selected intervals.
- B) Applicant will notify this office prior to taking such samples in order that a member of our staff may be present to witness such tests, and take independent samples.
- C) Applicant will provide continuous monitoring of the salt water disposal wells as to the volume of fluids injected and injection pressures.

Should you have any questions relative to the above, please do not hesitate to callor write.

Very truly yours,

CLEON B. FEIGHT DIRECTOR



Federal Lease No. DEPARTMENT OF NATURAL I ESOURCES Indian Lease No. DIVISION OF OIL & GAS CONSERVATION Fee & Pat.

1588 WEST NORTH TEMPLE SALTRAKE CITY, UTAH 84116 328 5771

REPORT OF OPERATIONS AND WELL STATUS REPORT

	********			P. Ca	O. Bo	. 2619 Vyoming 8	2601	Com	ed	Hank	0il Corpo or Clerk	oration Litelya
Sec. at				į		Barrels of Oil		6 : 5: 016	n. i	Gallons of Casoline Recovered	Barrels of Water (if none, so state)	REMARKS (if drilling, depth; if shut down, o date and result of test for gasos content of gas)
FI FI		3s - I	5W	wwD/	2-17C5 Gas C	ons. Comm. Taughton					us WWD #2∙	TD 3,710' PBTD 3,608 Standing for comp1 8/1/75 Spudded 6 AM 7/18/75 9-5/8" csg set at 608' cmtd w/455 sx 7" csg set at 3,692' cmtd w/760 sx
	So F1. Us	red/V rd On/	ented .	oduc		BW			On hur tod io lotd di Inavoi	nd at beginged during uring monidably lost Reason.	noing of mon month ith	reported in Barrels)

→Form DUGC-4



STATE OF UTAH DEPARTMENT OF NATURAL PESOURCES

DIVISION OF OIL & GAS CONSERVATION

1588 WEST NORTH TEMPLE SALT LAKE CITY, UTAH 84116 328 5771

REPORT OF OPERATIONS AND WELL STATUS REPORT

Ate Lease No. Federal Lease No. Indian Lease No.
Indian Lease No.
Fee & Pat.
Pat

			Uta								ltamont/Salteratus.WWD #2-17C5
	Agent	's Add	ress	R. O Casp	gra	2619 oming 826	975	Compai	ny Gulf (ation
•	Phone	No		30/-	233-3/0						
Sec.		Twp.	Range	Well No.		Barrels of Oil	Gravity	Cu, Ft, of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	REMARKS (If drilling, depth; if shut down, co date and result of test for gasolic content of gas)
374' 174' Sec.	FEL	3s	5w :	2-17	C5 -						TD 3,710' PBTD 3,608' SD 9/1 Perforated 3,286' = 2,017' acidized w/ 10,000 gal 15% HCL w/additives OMITTED IN JULY: Conductor csg set at 42'GL cmtd w/readymix
2 1 1 2 2	- DeGo - OC - File GAS: So	(MCF	and	MacI	Naughto	n S16		On Proc	hand at beg duced durin I during mo	SATE: (To be inning of moring month	WWD #2-17C5 reported in Barrels)
	Us	ed On/	Off Le	ase				Una	woidably lo Reasor	st 1:	

La Carm DOGC-1

Sec.

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL & GAS CONSERVATION

rederal Loase No.
Indian Lease No.
Fee & Pat.

1588 WEST NORTH TEMPLE SALT LAKE CITY, UTAH 84116 328 5771

REPORT OF OPERATIONS AND WELL STATUS REPORT

Agent's	Howin Addr	ess	Al. P. O	ct report	of operation 1 619 ming 826	9 7	oduction (inclu Compa Signed	iding drilling	and productions are productions are productions and productions are productions and productions are productions are productions and productions are productions are productions are productions and productions are production	Altamont/Salteratus.WWD #2-17C5 sing wells) for the month of the month
						Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Casoline Recovered	Barrels of Water (if none, so state)	REMARKS (If drilling, depth; if shut down, ca date and result of test for gasolin content of gas)
FNL FEL				C5 -						TD 3,710' PBTD 3,608' SD 9/1 Perforated 3,286' = 2,017' acidized w/ 10,000 gal 15% HCL w/additives OMITTED IN JULY: Conductor csg set at 42'GL cmtd w/readymix
2 - Utah 1 - DeGo 1 - OC 2 - File					m., S16				Saleratus	wwD #2-17C5
Flac	d	ented .					On Pro	hand at begi duced durin I during mo nvoidably los Reason	inning of mor g month oth it	reported in Barrels)

Form DOGC-4

STATE OF UTAH

DEPARTMENT OF NATURAL LESOURCES

DIVISION OF OIL & GAS CONSERVATION

1588 WEST NORTH TEMPLE

tate Lease No.	 •••
ederal Loase N	
ndian Lease No	
ce & Pat.	

SALT LAKE CITY, UTAH 84116 328 5771

	Agent	Allowing Second	ress	P. C Casp	ect report O. Box 2 Der, Wyo	of operation, 19 2619 Oming 826	and pr	coduction (inclu Compar Signed	ding drillin	g and production of the produc	Altamont/Salteratus WWI #2-17C5 cing wells) for the month of ration
	Phone	No		307-	235-578	33			 	i 1	REMARKS
Sec. and % of %		Twp.	Range	Well No.		Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Fucovered	Barrels of Water (if none, so state)	(If drilling, depth; if shut down, of date and result of test for gasol
374' FN 174' FE Sec. 17	- 1	35	5W	2-17	C5					3,380	TD 3,710' PBTD 3,608' First injection 9/25 Bbls. injected @ avg. pressure 75#
											•
1 -		lyer			nns. Co Naughto	n S16				Saleratus	WWD #2-17C5
•	Sol Fla	red/V	ented .					On h Prod Sold Una	nand at begi faced during during more voidably los Reason	ATE: (To be noing of more growth	reported in Barrels)

WATER INJECTION - WELL REPORT

GULF T-1311-A

LEASE, POOL, OR UNIT Saleratus W. W. D. W. HEADER NO. OPERATOR LATRY FUT MONTH Sept 1975 WELL NO. WELL NO. WELL NO. DATE METER READING METER READING BBLS. METER READING PRESS. METER READING BBLS. BBLS. PRESS. METER READING HEADER PRESS. 3 5 7 8 9 10 11 12 13 14 15 16 17 18 19 21 23 0 24 0 80# 25 26 3380/76 1 5,880 bles trucked 2.500 bbles at

	MECEIVEI	K S	****					5	\bigcirc			(2)	(
n OGCC-3	OCT 6 197	5							\)				
	pivisi in 1966				SUBM	IIT IN	DUPLICA	TE•	11.				
\@\ 	GAS, & MANAG	TATE	OF, UT	AH				ther in-	1			AND GENTLE WE	-
	01L & G	(S) CONSER	VATIO	и сом	MISSIO	N		e side)	D. LEAS	SE DESIG	INATION	AND SERIAL NO	٠.
	1/12/11/20	`							6. IF 1	NDIAN, A	LLOSTE	E OR TRIBE NAM	Ē
	MPLETION	OR RECC	MPLET	ION	REPORT	AN	D LOG	i *	_				
. TYPE OF WE	LL: on	LL GAS		DRY .	Other	WD			7. UNIT	AOREE	MENT N	AME	-
TYPE OF CO													-
MELL X	OVER L. EN	EP- PLDG BACK	DIF	svr.	Other				_	OR LE			_
NAME OF OPERA		· • • • •							9. WEL		us wa	iste Water	- 2
ADDRESS OF OP	il Corporat	.10n			~ ~~~~~~~~			- (1	2-1	705	,	
P. O. I	Box 2619, 0	Casper. Wvo	mina	8260	1			(1			R WILDCAT	-
LOCATION OF W	ELL (Report locat	ion clearly and in	accordanc			remen	te) •		A11	tamon	t		_
At surface	1374' SNL	& 1174' WE	L (SE	NE)						C., T., R., AREA	М., OR E	LOCK AND SURVE	ſ
At top prod. in	iterval reported b	elow Same											
At total depth	Same	June							17.	-3S-5	W		
	Juling		I F	ERMIT NO.	,	DATE	ISSUED		12. COU		·	13. STATE	
					0388				Duc	chesn		Utah	
DATE SPUDDED	16. DATE T.D.	1	TE COMPL.	(Ready to	o prod.) 18		ATIONS (DF	, RKB,	RT, GR, ET	c.)* 1	19. £1.E1	. CASINGHEAD	
7/18/75	7/29/7	75 9,	/2/75	2. IF MI'T	TIPLE COMPL		775' GL	VALS	ROTAR	TOOLS		CABLE TOOLS	
3,710'	į	3,608'		HOW M		••	DRILL			to TD	4	None	
	ERVAL(S). OF THIS	COMPLETION-TO			AD AND TVD)	•					25. W	AS DIRECTIONAL	
	(Waste	Water Dis	posal V	Well)									
<u> 2017' - 3</u> 2			·								<u>'</u>	Vo	
	AND STREET LOGS									2	i. waa No	WELL CORED	
H, FDC,	Induction E		ING PECC	ORD" (Ren	ort all string	e set i	n seell)				.,11		
CASING SIZE	WEIGHT, LB.		ET (MD)		LE SIZE	1		NTING	RECORD		j A	MOUNT PULLED	
9 5/8"	36	608		1:			455					-	
7"	23	3692			8 3/4"	-	760						-
13"		42	·	_	·	·	Cement	LO	Suria		_		-
		LINER RECOR)	<u>i</u>		1	30.		TUBING	RECOR	i D		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS C	EMENT*	SCREEN (M	(D)	SIZE		DEPTH SE		PA	CKER SET (MD)	
one			-				3 1/	2"			_	18751	
	CORD (Interval, a	ize and number)			82.		ID, SHOT,		···				
2017' - 3: See Attac					DEPTH IN	TERVAL	(MD)				HCL	GRIAL USED	-
JEE ALLAC	neu								1000 (Ja 1 •	1102		
······································		 											,
FIRST PRODUCT	D. 21 D.	isposal Vervon- метнов	Floreina		OUCTION	and to	ine of num-	1		CRIT. DT.	ATE 2 1 E	Producing or	
isposal	Tsposa I	Pumping	· ····································	Pu	py	P]	, թ. օյ բառեր	,		Activ	.)	sposal Wel	7
OF TEST	HOURS TESTED	CHOKE SIZE		N, FOR	OIL-BBL.		GASMCF		WATER-			OIL BATIO	•
/29/75	(See Reve	erse Side)	TEST	PERIOD	0		0				.	_	
V. TUBINO PRESS.	CASING PRESSU	RE CALCULATED 24-HOUR RA		_	GAS-		V	ATER-	-BBL.	OI	I VARD I	TY-API (CORR.)	
DISPOSITION OF	QAS (Sold, used for	tuel neuted as		0	<u> </u>)			J mean	IMN#525	D 67		
	uan (11046, 4856 J01	jets, venieu, etc.	,						TEST W	itnesse:	גא ע		
NO Gas	IMENTS								1				
Logs per	item 26 & p	erforation	recor	ď									
I hereby certify	that the foregoi	ng and attached	information	is compl	lete and corr	ect as	determined	from	all availa	ble reco	rds	v	
SIGNED	5 620	2	m r	יע. זייוי	Area D	rnd.	ction	Mana	40 -	DATE _	107	1/75	
The same	D. Richar	'de	11	TLE		للللات		iatid	ger i	JATE _	: ⊻/_		

Any necessary special instructions concerning the use of this form and the number of copies to be General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary stretches concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on Items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments

or Preferred or Tention again whomas or

The state of the s

A regulations and Color

THE REPORT OF THE PARTY OF

or federal office for specific instructions.

of reletat once for special instructions.

New 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Nems 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval or intervals. Submit a separate report (page) on this form, adequately identified, interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately for each additional interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

W. F. Pinkerton Attn: 77001 Gulf Oil Corporation, Box 2100, 12th Floor, Houston Texas

						-
ST. SUMMARY OF POROUS ZONES: 8HOW ALL IMPORTANT ZONES OF DEPTH INTERVAL TESTED, CUSH	RIANT ZONES:	MARY OF POROUS ZONES: 8HOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING	IS THERROF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING FR. FLOWING AND SHUT-IN PRESSURS, AND RECOVERIES	38. GEOLOG	GEOLOGIC MARKERS	
FORKATION	TOP	BOTTOM	DESCRIPTION, CONTRNTS, RIC.		TOP	
				a T	MEAB, DEPTH	TRUB YEST, DEPTH
Uintah	852	876	Flowed water total dissolved solids 42 4240 Milligram per liter	Uintah	surface	surface
Green River Green River	2017	2156 3286	Tested water 10,000 parts NaCl Tested water 15,000 parts NaCl	Green River	1630	1630
						:
				-		
•			-			
		·				
					. •	
					, "	

1800 lbs. psi 10 BPM 130 bbls injection Test: Water disposal to be started in approximately 2 weeks on routine basis.



LITE RESEARCH LABORATORIES

PO. Box 119

Fort Duchesne, Utah 84026

(801) 722-2254

·		W-2525		
	EN			
	EIVED			
RESULTS REP	OK 1 EU	7-30-75	· · · · · · · · · · · · · · · · · · ·	No.
SAMPLE DESCRIPTION			FIFI	.D NO
COMPANY Gulf Oil Co.	1 FA	SE SWD #2	-17C5	D NO.
FIELD COUNTY				WELL NO. =
SAMPLE TAKEN FROM		31VIE		
PRODUCING FORMATION		TOP	·	
Water Flow 900' -	2100'			
P.O. # 1-07900	SAMPLE	TAKEN BY		
		PHYSICAL PROPE		
SPECIFIC GRAVITY #60/60° F				·
SPECIFIC GRAVITI 480/80° F	2 pri	7.47 RES. 1	•30 OH	M METERS e
TOTAL HARDNESS 13.8 mg/L	. C-CO.	7 07.1.		1026 0 ms/l c.c.
TOTAL HARDNESS 13.0 mg/.	3 Caco 3	TOTAL AL	KALINITY	1926.0 mg/L as CaCO ₃
	MILLIGRAMS	MILLEQUIVALENTS		T
CONSTITUENT	PER LITER mg. L.	PER LITER MEQ/L		REMARKS
CALCIUM - Ca + +	3,31	0,17	 	
MAGNESIUM - Mg + +	0.80	0.07	 	
SODIUM - No +	1750.0	76.09	 	
	1222	70.02	<u> </u>	
BARIUM (INCL. STRONTIUM) - Ba ++	0	0		
TOTAL IRON - Fe++ AND Fe+++	1.25	0.04	76.37	
BICARBONATE - HCO3	1150.0	18.85		
CARBONATE - CO3 TT	776.0	25.87		
SULFATE - SO4	135.0	2.81		
CHLORIDE - CL -	1599.4	45.05	92.58	
TOTAL DISSOLVED SOLIDS	4240			
		· ···	·	
	MILLEQUIVALI	ENTS PER LITER		
LOGARITHMIC		N _a		STANDARD
			ппп	TOTAL
				+
<u> </u>		Ca		
		10	 	
	 - 	Mg		
		10		
		_		111111111111111111111111111111111111111
8 8 9 9 - 9	8 8	910		11111111111111111111111111111111111111
000. 001 01 01	<u>\$</u>	6. 810		
	V-	2		
		g ** * * * * * *		
		ANALYST _		

CHECKED _____



504

∞,

PO Box 119

Furt Durchesne Utah 64026

(801) 722-2254

LABORATORY NU	MBER	W-2630		·.	
SAMPLE TAKEN -				-	
SAMPLE RECEIVE RESULTS REPORT	D			-	
RESULTS REPORT	EU			-	
SAMPLE DESCRIPTION COMPANY Gulf Oil Co.		SIND 7-1760	FIELD	NO	
COMPANY Gulf Oil Co.	LEAS	E Lower Salet	atur was		WELL NO
FIELD Allamo I COUNTY Allach	15116	_ STATE			•
SAMPLE TAKEN FROM PRODUCING FORMATION GREET RIVER		172	n=! =;	2011	·
PRODUCING FORMATION COLETE RIVE	<u> </u>	TOP	<u> </u>		
REMARKS P.O. I-11067			•		
1.0. 1 1100.	EAUDI E	TAKEN BY			
	SAMPLE	TAKEN BI			
CHEM	ICAL AND F	PHYSICAL PROPER	RTIES		
SPECIFIC GRAVITY @60/60° F. 1.021	pH	9.47 RES. 0.	.30 OH	A METERS &	77°F
SPECIFIC GRAVITICOOPUS	,				ŧ
TOTAL HARDNESS 14.1 mg/L as Co	ıCO3	TOTAL AL	KALINITY	8010.0	mg/L as CaCO :
	1	Laurence Company			
CONSTITUENT	MILLIGRAMS PER LITER	MILLEQUIVALENTS PER LITER			REMARKS
CONSTITUEN	mg L	MEQ/L			
CALCIUM - Ca + +	3.07	0.15			
MAGNESIUM - Mg + +	0.55	0.05			
SODIUM - No +	7800.0	339.13			
The state of the s	0	0			
BARIUM (INCL. STRONTIUM) - Ba + + TOTAL IRON - Fe+ - AND Fe+ + +	2.28	0.08	339.41		
BICARBONATE - HCO3	2810.0	46.07			
CARBONATE - CO3	5200.0	173.33			
SULFATE - SO4 TT	180.8	3.77			
CHLORIDE - CL T	8796.5	247.79	470.96		
TOTAL DISSOLVED SOLIDS	20800				
TOTAL DISSOCTED GOLDS					
M	LLEQUIVAL	ENTS PER LITER			<u> </u>
				•	
LOGARITHMIC		Na		STANDARD	
		100		TIMITITY	
		Co			
	 	10			
		μ _g		ЩИ	
		10		<i>†</i>	
8 8 5 5 1 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1	§ 8	810 8 2	<u> </u>	0	
≠		¥			

ANALYST

CHECKED _____

		anch L	ABI	MATONIES
Company of the Company	3-11.1 to gim u 4.6. 9-10			(801) 722-2254
h is	u f. b. 9-10	15 12,8	1/46	7.5 455
	RY NUMBER		I Rue	
SAMPLE RE	CEIVED	9-2-75		
SAMPLE DESCRIPTION COMPANY Gulf Oil Co. FIELD Althought COUNTY		SWDZ-17CE	FIELI	D NO
FIELD Altanent COUNTY	Oliberne Districte	STATE //tox	aleratus N	WELL NO.
PRODUCING FORMATION 601000			-	-,/
REMARKS P.O. 1-11067	· · · · · · · · · · · · · · · · · · ·	TOP	1-215	2/2
	SAMPLE "	TAKEN BY		•
	HEMICAL AND P			
SPECIFIC GRAVITY @60/60° F. 1.	0165 pH _ 9	.48 RES. 0	RTIES -40 OHA	W METERS @ 77°F
	as CaCOa		LKALINITY	•
	MILLIGRAMS		LNALINITY	6107.0 mg/L as CaCO ₂
CONSTITUENT	PER LITER	MLLEQUIVALENTS PER LITER MEQ/L		REMARKS
CALCIUM - Ca + +	1.00	0.05		
MAGNESIUM - Mg + + SODIUM - Ng +	5000.0	0.005		
		217.39	 	
BARIUM (INCL. STRONTIUM) - Ba + +	0	0		
TOTAL IRON - F+++ AND F++++	0.40	0.01	217.46	
BICARBONATE - HCO3	2118.0	34.72		
CARBONATE - CO3 TT SULFATE - SO4 TT	3984.0	132.80		
CHLORIDE - CL	120.0	2.5		
	5697.7	160.50	330.52	
TOTAL DISSOLVED SOLIDS	16440			
	MILLEQUIVALEN	TS PER LITER		
LOGARITHMIC		Ne		STANDARD
				MANUAKU
25		Co.		
		10 Mg		
		10		
6 8 8 5 - 5	8 8	810 6		
				973 C - 3370

ANALYST CHECK CONTRACTOR



LATE RESEARCH LABORATORIES

PO Box 119

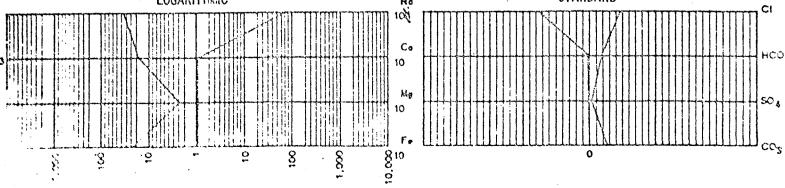
LABORATORY NUMBER

Fort Duchesne Utah 84026

W-2525

(801) 722-2254

LEASI LEASI SAMPLE SAMPLE PH SAMPLE PH SAMPLE PH SAMPLE SAMP	7-28-75 7-30-75 E SWD #2- STATE TOP CHINE TAKEN BY HYSICAL PROPER 9.25 RES. 1 TOTAL AL	-1705 	operation	77°F
LEASI SAMPLE SAMPLE AL AND P PH PH CAL AND P CAL AN	SWD #2- STATE TOP CULLIA FROM N/C TAKEN BY PHYSICAL PROPER 9.25 RES. 1 TOTAL AL MILLECHIVALENTS	-1705 	operation	WELL NO
SAMPLE SAMPLE SAMPLE SAMPLE SAMPLE PH SAMPLE SA	TOP CHINE TOP CHINE FROM NO TAKEN BY HYSICAL PROPER 9.25 RES. 1 TOTAL AL MILLECHIVALENTS	-1705 	operation	WELL NO
SAMPLE SAMPLE SAMPLE SAMPLE SAMPLE PH SAMPLE SA	TOP CHINE TOP CHINE FROM NO TAKEN BY HYSICAL PROPER 9.25 RES. 1 TOTAL AL MILLECHIVALENTS	ey drift 25' RTIES .30 OHA	o perotio	77°F
SAMPLE - CAL AND P PH	TOP CHINE FROM NIC TAKEN BY HYSICAL PROPER 9.25 RES. 1 TOTAL AL MILLEQUIVALENTS	RTIES .30 OH	METERS @	77°F
SAMPLE TALL AND P	TAKEN BYPHYSICAL PROPER P. 25 RES. 1 TOTAL AL	RTIES	METERS @	77°F
SAMPLE TALL AND P	TAKEN BYPHYSICAL PROPER P. 25 RES. 1 TOTAL AL	RTIES	METERS @	77°F
CAL AND PpH 3 WILLIGRAMS PER LITER	HYSICAL PROPER 9.25 RES. 1 TOTAL AL	RTIES •30 OHA	METERS @	77°F
PH	RES. 1 TOTAL AL	.30 он		
VILLIGRAMS PER LITER	JA TOTAL AL			
VILLIGRAMS PER LITER	MILLEQUIVALENTS	KALINITY	1926.0	mg/L as CaCO3
VILLIGRAMS PER LITER	MILLEQUIVALENTS	KALINITY	1926.0	mg/L as CaCO3
PER LITER		γ		
mg 'L.	PER LITER MEQ/L		R	EMARKS
3,31	0,17			
0.80			· · · · · · · · · · · · · · · · · · ·	
750.0	76.09			
0	0 .		· · · · · · · · · · · · · · · · · · ·	
1,25	0.04	76.37		
150.0	18.85		•	
776.0	25.87			
135.0	2.81			
599.4	45.05	92.58		
240				
	0.80 750.0 0 1.25 150.0 776.0 135.0 599.4	0.80 0.07 750.0 76.09 0 0 1.25 0.04 150.0 18.85 776.0 25.87 135.0 2.81 599.4 45.05 240	0.80 0.07 750.0 76.09 0 0 1.25 0.04 76.37 150.0 18.85 776.0 25.87 135.0 2.81 599.4 45.05 92.58	0.80 0.07 750.0 76.09 0 0 1.25 0.04 76.37 150.0 18.85 776.0 25.87 135.0 2.81 599.4 45.05 92.58 240



ANALYSI	

CHECKE

BUTE RESEARCH LABORATORIE 188 bet he give comple info (801) /22-2254 hubb. 9-10-15 120 W = 2629LABORATORY NUMBER SAMPLE TAKEN____ SAMPLE RECEIVED 9-2-75 9-5-75 RESULTS REPORTED ____ SWD Z-17C/FIELD NO. SAMPLE DESCRIPTION LEASE Upper Saleratus Wash COMPANY Gulf Oil Co. ____ STATE FIELD _____ COUNTY ____ SAMPLE TAKEN FROM PRODUCING FORMATION GYESS PIVEY TOP 2017-2156 P.O. 1-11067 SAMPLE TAKEN BY___ * CHEMICAL AND PHYSICAL PROPERTIES SPECIFIC GRAVITY @60/60° F. 1.0165 pH 9.48 RES. 0.40 OHM METERS @ 77°F mg/L as CaCO3 TOTAL ALKALINITY 6107.0 mg/L as CaCO , TOTAL HARDNESS 9.7 MILLIGRAMS MILLEQUIVALENTS CONSTITUENT PER LITER PER LITER REMARKS mạ : MEQ/L 1.00 0.05 CALCIUM - Co + + MAGNESIUM - No + + 0.06 0.005 SODIUM - No + 5000.0 217.39 0 BARIUM (INCL. STRONTIUM) - Bo + + 0 TOTAL IRON - Fo++ AND Fo+++ 0.01 0.40 217.46 BICARBONATE - HCO3 2118.0 34.72 132.80 CARBONATE - CO3 3984.0 SULFATE - SO4 --120.0 2.5 CHLORIDE - CL -330.52 5697.7 160.50 TOTAL DISSOLVED SOLIDS 16440 MILLEQUIVALENTS PER LITER **STANDARD** LOGARITHMIC 304 SEP 9 - 1975 CULF OF COMPLIANCY ARALYST _____



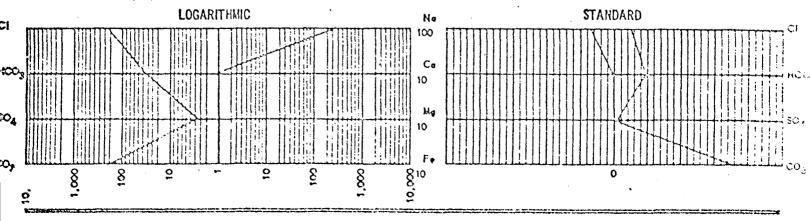
LUTE RESEARCH LADORATORIES

PU BOA 119

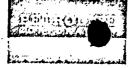
Fort Ductiesne, Utah 64020

(801) 722-2254

· · · · · · · · · · · · · · · · · · ·		•	•	er e
LABORATORY	HUMBER	W-2630		in the state of th
SAMPLE TAK	EN			The state of the s
SAMPLE REC	EIYED	9-2-75		and the state of t
RESULTS REPORTED_				
SAMPLE DESCRIPTION		SWD Z	-1765 FIFI F) NO
COMPANYGulf Oil Co.	LEAS	SE Lower Sale	eratur Was	h WELL NO.
FIELD COUNTY				
SAMPLE TAKEN FROM PRODUCING FORMATION EYECK				2.36
P.O. 1-11067	•	•		
	SAMPLE	TAKEN BY		
SPECIFIC GRAVITY @60/60° F1.()211рн	_	0.30 оны	
TOTAL HARDNESS 14.1 mg/L	as CoCO3	. TOTAL A	LKALINITY	8010.0 mg/l as CoCO3
CONSTITUENT	MLLIGRAMS PER LITER	MLLEQUIVALENTS PER LITER MEQ/L		REMARKS
CALCIUM - Co + +	3.07			
MAGNESIUM - Mg + +	0.55	0.05		
SODIUM - No +	7800.0	339.13		
BARIUM (INCL. STRONTIUM) - Ba + +	. 0	0		
TOTAL IRON . Fe + + AND Fe + + +	2.28	0.08	339.41	
BICARBONATE + HCO3	2810.0	46.07	-1-333.41	
CARBONATE - CO3	5200.0	173.33		
SULFATE · SO4	180.8	3.77	·	
CHLORIDE - CL -	8796.5	247.79	470.96	
TOTAL DISSOLVED SOLIDS	20800		1	
	1	}		•



ANALYST



TRETOLITE DIVE 15 N 368 Marshall Avenue / Saint Louis, Missouri 63118 (314) WO 1-3500/IWX 910-760-1660/Talex 44-2417

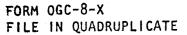
WATER ANALYSIS REPORT

СОМРА	NY_	Eulf Oil Co	rp	·	ADDRES:	s Boosevell	LIT	DATE:	-22-75
SOURCE	5	aleraTus Wash-47		[DATE \$A	MPLED _ <i></i>	-75	ANALYSIS	13.75
		Analysis				Mg/L		*Meq/L	
	1.	PH <u>8. c</u>	<u> </u>		•	•			
	2.	H2S (Qualitative) Neg	<u>} •</u>		•	•			
	3 .	Specific Gravity 1.00	6	•			•		
	4.	Dissolved Solids				-		• • • •	• • •
	5.	Suspended Solids		٠	•	-		4	
÷	6.	Phenolphtholein Alkalinity (Ca	CO ₃)			·		٠.	•
	7.	Methyl Orange Alkalinity (CaC	0,)	••	-	340	***************************************		
	8.	Bicarbonate (HCO ₃)			HCO ₃	415	_÷61	7	HCO3
	9. .	Chlorides (CI)			CI	4161	_ ÷35.5	117	CI
	10.	Sulfates (SO ₄)			SO ₄	13500	÷48	28/	\$O.
	11.	Calcium (Ca)			Ca ·	184	÷20	9_	Ca
•	12.	Magnesium (Mg)			Mg	·	_÷12.2		Mg
	13.	Total Hardness (CaCO ₁)				439	· 		
	14.	Total Iron (Fe)	-			•			•
	15.	Barium (Qualitative) Neg	•	٠.		· •	•		
	16. •Mill	i equivalents per liter				• '			

PROBABLE MINERAL COMPOSITION

	THOUSANDER THITT	EKAL COM OSITIO			
Ca ←	HCO ₃	Compound		X Meq/L =	Mg/L
-7		Ca (HCO ₃) ₂	81.04		567
O Mg	so4 281	Ca \$O ₄	68.07	2	_/36_
396 Na	CI 117	Ca Cl ₂	55.50		
Saturation Values Distilled V	Vater 20°C	Mg $\{HCO_3\}_2$	73.17		
Ca CO ₃ 13 M	g/L	Mg \$04	60.19		
	Mg/L	Mg Cl ₂	47.62		· ,
Mg CO ₃ 103	Mg/L	Na HCO3	84.00		
		Na ₂ SO ₄	71.03	279	19,217
	•	Na CI	58.46		4,840
REMARKS _ Ca = 2.05 , pAlk = 2.15	K=1.55 (1.1)	SI= 8,0-2.05-8	2.15-1,55:	+ 2.25 (Scall	(2)
Ksp= 625, F= 2,16, Fo=	1.0, SI= (625Y	2.16.(1,0)= 4.629.0) : (qup :	scole)	
•	28	/			

Respectfully submitted
IRETOLITE COMPANY



dele

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

well	Name and Number	Salerat	us Waste Water System SW	D 2-1705	
Opera	itor	Gulf C	il Corporation		
	Address	P.O. Bo	x 2619, Casper, Wyoming 8	2601	
Contr	actor	Carmack	Drilling		
4 6 4 . M 40 . A 4	Address	1129 Co	lorado Ave., Suite 314. G	rand Junct	ion, CO. 81501
Locat	tion <u>SE</u> 1/4, <u>NE</u>	_1/4, Sec	:. <u>17</u> ; T. <u>3 N; R. 5</u> S	E; Duche	county
Water	Sands: Depth: From- To-		<u>Volume:</u> Flow Rate or Head	-	Quality: Fresh or Salty -
1.	See attach	ed	600 Bbl./Day	•:	See attached
2.					
3.					
4.					
5.			(Continue on Rever	sa Sida if	Necessary)
			(continue on never	JC 5140 11	

Formation Tops:

NOTE:

- (a) Upon diminishing supply of forms, please inform this office.
- (b) Report on this form as provided for in Rule C-20, General Rules And Regulations and Rules of Practice and Procedure.
- (c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.

DEPART TO NATURAL RESOURCES DIVISION FOR NORTH Temple 1588 West North Temple Salt Lake City, Utah 84116



REPORT OF WATER ENCOUNTERED DURING DRILLING

well Na	ame and Number	Saleratus	Waste Water	System SWD 2-1	705
Operato	or	Gulf Oil	Corporation		
•	Address	P.O. Box	2619, Casper,	Wyoming 82601	
Contrac	ctor	Carmack D	rilling	· · · · · · · · · · · · · · · · · · ·	
•	Address	1129 Colo	rado Ave., Sui	te 314, Grand	Junction, CO. 81501
Locatio	on <u>SE</u> 1/4, <u>N</u>	1/4, Sec.	<u>17</u> ; T. <u>3</u> -	N; R. <u>5 E; </u> S W	Duchesne County
water	Sands: <u>Depth</u> : From- To	-	Volu Flow Rate	me: or Head -	Quality: Fresh or Salty
1.	See attac	hed	600	Bbl./Day	See attached
2					
3		<u> </u>			
4					
5				D	do if Nocossary)
			(Continue	on Keverse SI	de if Necessary)
Format	ion Tops:				•

Upon diminishing supply of forms, please inform this office.

And Regulations and Rules of Practice and Procedure.

zone, please forward a copy along with this form.

Report on this form as provided for in Rule C-20, General Rules

If a water quality analysis has been made of the above reported

(a)

(b)

NOTE:



LITE RESEARCH LABORATORIES

PO. Box 119

Fort Duchesne, Utah 84026

(801) 722-2254

LABORATORY N				_	
SAMPLE TAKEN SAMPLE RECEIV	'ED	7 - 28-75 7-30-75		- -	
	CIED	7-30-73			
SAMPLE DESCRIPTION COMPANYGulf_0il_Co.		es Cum #2	FIELD	NO	
FIELD COUNTY	LEA	SE SWD 1/2	-1/63		WELL NO
SAMPLE TAKEN FROM		STATE			
PRODUCING FORMATION		TOB			
DEMARKS		TOP	· · · · · · · · · · · · · · · · · · ·		
Water Flow 900' - 21	100 .				
P.O. # 1-07900	SAMPLE	TAKEN BY			
		PHYSICAL PROPE			
SPECIFIC GRAVITY #60/60° F. 1.0025				METERE	770F
			······································	MEICKS W.	
TOTAL HARDNESS 13.8 mg/L as C	aCO ₃	TOTAL A	LKALINITY	1926.0	mg/L as $CaCO_3$
	MILLIGRAMS	· · · · · · · · · · · · · · · · · · ·	T		
CONSTITUENT	PER LITER	MILLEQUIVALENTS PER LITER		Ri	EMARKS
CALCIUM - Ca + +	mg/L.	MEQ/L			
AAGNESIUM - Mg + +	3.31	0.17			
ODIUM - Na +	1750.0	76.09	 	·	
	1-12010	70.09			
BARIUM (INCL. STRONTIUM) - Ba + +	0	0		·····	·
TOTAL IRON - F++ + AND F+++	1.25	0.04	76.37		
SICARBONATE - HCO3	1150.0	18.85			
ARBONATE - CO3	776.0	25.87	ļļ-		
ULFATE - \$04 CHLORIDE - CL -	135.0 1599.4	2.81 45.05	02.50		
TOTAL DISSOLVED SOLIDS	4240	43.03	92.58	·	
TOTAL DISSOLVED SOLIDS	14240		<u> </u>		
мі	LLEQUIVAL F	ENTS PER LITER			
LOGARITHMIC		N _a	9	STANDARD	
T TOTAL TOTAL CONTROL OF THE STATE OF THE ST			mmmar		
			111111111111111111111111111111111111111	UNIIII III	
╇╼╫╫╫╫┼ ╾╫╫╫╫ ┡ ╃╫╫┼╁┲┲╂┸╢╫╏╌╁╏┼╟		Ce		TUMINIT	
		10			
		Me .			
		10	<u> </u>		
8 8 5 - 5	S &	810	шшшш	O TITINIII	
000,1	8,	810 80 9		v	
					
Ŧ					
		ANALYST_			

CHECKED _____



CI

° ∞,

ZUTE RESEARCH LABORATORIES

PU Box 119

Furi Duchesne Utah 84026

(801) /22-2254

	W-2630		•	
NUMBER			- -	
			•	
ORTED	9-5-75			
	SWD 7-1763	FIELD	NO	
LEAS	E Lower Saler	atur Wasi	MELL NO.	
uchione	_ STATE <u>[[16])</u>		•	
-, /	-7:2	2021 3	2011	
1885	TOP	ر بر المار الم		
	•	•		
641151.5	TAMEN BY			
SAMPLE	TAKEN BY			===
HEMICAL AND	PHYSICAL PROPER	RTIES		
)211pH	9.47 RES. 0	.30 она	A METERS & 77°F	
as CaCO3	TOTAL AL	KALINITY	8010.0 mg/L as CaCO?	
LIII LICPANS	HILL ECHIVALENTS	T 1		
PER LITER	PER LITER		REMARKS	
	339.13			
0	0			
2.28	T	339.41		
		 		
		470.96		
120000	<u> </u>	· · · · · · · · · · · · · · · · · · ·		
- MILLEQUIVAL	ENTS PER LITER			
	÷			
	Na		STANDARD	
	100 []]]]]			
HTTII				
	<u> </u>			
	Mg []]			
	10			
		111111111		
		11:11:11		
8 8	F• []]]]		•	
001 08.	F•	11:!!!!!!!!	•	
£ 80.1	8 10 9 2		•	
	SAMPLE SAMPLE HEMICAL AND 211 pH as CaCO ₃ MILLIGRAMS PER LITER mg t 3.07 0.55 7800.0 0 2.28 2810.0 5200.0 180.8 8796.5 20800	SAMPLE TAKEN BY SAMPLE TAK	SAMPLE TAKEN BY SAMPLE TAKEN BY SAMPLE TAKEN BY STATE SOUTH OF THE SECOND STATE SAMPLE TAKEN BY SAMPLE TAK	SAMPLE TAKEN BY SAMPLE TAKEN BY SAMPLE TAKEN BY SAMPLE TAKEN BY STATE TOP SOUTH FIELD NO. STATE SAMPLE TAKEN BY SAMPLE

CHECKED _____

PO 9 1119		Fort Dy comments	in 84026	DRATORIE
1 14	u di bi God	Complete Life	1-//	(801) /22-2
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1/166	115 #55
	Y NUMBER		RUC	
SAMPLE TAK SAMPLE REC	EIVED	9-2-75		
		9-5-75		
SAMPLE DESCRIPTION		4wD7-170	/FIFI	ח אוס
COMPANY Gulf Oil Co.	LEA	SE Upper S	aleratus	D NO.
SAUDI E TAYEN ERON	17 911 - 11 -	_ STATE	7	•
PRODUCING FORMATION CORPORS 10	Pilipi	TOP 20	17-21	511
REMARKS P.O. 1-11067			/ / / / / / / / / / / / / / / / / / / /	163
	CAMDI E	TAMEN AN :		
		TAKEN BY		
Ch Specific on way are to 1.0	TEMICAL AND	PHYSICAL PROPE	ERTIES	
SPECIFIC GRAVITY @60/60° F. 1.0	165 pH	<u>9.48 </u>	0.40 OH	IM METERS @77°F
· · · · · · · · · · · · · · · · · · ·	s CaCO ₃			
		TOTAL A	LKALINITY	6107.0 mg/L as CaCO ₃
CONSTITUENT	MILLIGRAMS PER LITER	MILLEQUIVALENTS		
		PER LITER		REMARKS
CALCIUM - Ca + +	mg !	MEQ/L		REMARKS
MAGNESIUM - Mg + +		MEQ/L 0.05		REMARKS
	mg ! 1.00	MEQ/L		REMARKS
MAGNESIUM - Mq + + SODIUM - Na + BARIUM (INCL, STRONTIUM) - Ba + +	1.00 0.06 5000.0	0.05 0.005 217.39		REMARKS
MAGNESIUM - Mq + + SODIUM - Na + BARIUM (INCL. STRONTIUM) - Ba + + TOTAL IRON - Fe+ + AND Fe+ + +	1.00 0.06 5000.0	0.05 0.005 0.005 217.39	217 /6	REMARKS
MAGNESIUM - Mq + + SODIUM - Nd + BARIUM (INCL, STRONTIUM) - Bd + + TOTAL IRON - Fe+ + AND Fe+ + + BICARBONATE - HCO3	1,00 0.06 5000.0 0	0.05 0.005 0.005 217.39 0 0.01	217.46	REMARKS
MAGNESIUM - Mq + + SODIUM - Na + BARIUM (INCL. STRONTIUM) - Ba + + TOTAL IRON - Fe+ + AND Fe+ + + BICARBONATE - HCO3 CARBONATE - CO3	1.00 0.06 5000.0	0.05 0.005 217.39 0 0.01 34.72	217.46	REMARKS
MAGNESIUM - Mq + + SODIUM - Nd + BARIUM (INCL. STRONTIUM) - Bd + + TOTAL IRON - Fe+ + AND Fe+ + + BICARBONATE - HCO3 CARBONATE - CO3 SULFATE - SO4	1.00 0.06 5000.0 0 0.40 2118.0	0.05 0.005 217.39 0 0.01 34.72 132.80	217.46	REMARKS
MAGNESIUM - Mq + + SODIUM - Nd + BARIUM (INCL. STRONTIUM) - Bd + + TOTAL IRON - Fe+ + AND Fe+ + + BICARBONATE - HCO3 CARBONATE - CO3 SULFATE - SO4 CHLORIDE - CL	1.00 0.06 5000.0 0 0.40 2118.0 3984.0	0.05 0.005 217.39 0 0.01 34.72		REMARKS
MAGNESIUM - Mq + + SODIUM - Nd + BARIUM (INCL. STRONTIUM) - Bd + + TOTAL IRON - Fe+ + AND Fe+ + + BICARBONATE - HCO3 T CARBONATE - CO3 T SULFATE - SO4 TT CHLORIDE - CL T TOTAL DISSOLVED SOLIDS	1.00 0.06 5000.0 0 0.40 2118.0 3984.0 120.0 5697.7	0.05 0.005 217.39 0 0.01 34.72 132.80 2.5 160.50	217.46	REMARKS
MAGNESIUM - Mq + + SODIUM - Nd + BARIUM (INCL. STRONTIUM) - Bd + + TOTAL IRON - Fe+ + AND Fe+ + + BICARBONATE - HCO3 CARBONATE - CO3 SULFATE - SO4 CHLORIDE - CL TOTAL DISSOLVED SOLIDS	1.00 0.06 5000.0 0 0.40 2118.0 3984.0 120.0 5697.7	0.05 0.005 217.39 0 0.01 34.72 132.80 2.5 160.50		REMARKS
MAGNESIUM - Mq + + SODIUM - Nd + BARIUM (INCL. STRONTIUM) - Bd + + TOTAL IRON - Fe+ + AND Fe+ + + BICARBONATE - HCO3 CARBONATE - CO3 SULFATE - SO4 CHLORIDE - CL TOTAL DISSOLVED SOLIDS	1.00 0.06 5000.0 0 0.40 2118.0 3984.0 120.0 5697.7	0.05 0.005 217.39 0 0.01 34.72 132.80 2.5	330.52	6 2
MAGNESIUM - Mq + + SODIUM - Nd + BARIUM (INCL. STRONTIUM) - Bd + + TOTAL IRON - Fe+ + AND Fe+ + + BICARBONATE - HCO3 T CARBONATE - CO3 T SULFATE - SO4 TT CHLORIDE - CL T TOTAL DISSOLVED SOLIDS	1.00 0.06 5000.0 0 0.40 2118.0 3984.0 120.0 5697.7	0.05 0.005 217.39 0 0.01 34.72 132.80 2.5 160.50	330.52 -1867 -13774	0 2
MAGNESIUM - Mq + + SODIUM - Nd + BARIUM (INCL. STRONTIUM) - Bd + + TOTAL IRON - Fe+ + AND Fe+ + + BICARBONATE - HCO3 CARBONATE - CO3 SULFATE - SO4 CHLORIDE - CL TOTAL DISSOLVED SOLIDS	1.00 0.06 5000.0 0 0.40 2118.0 3984.0 120.0 5697.7	0.05 0.005 217.39 0 0.01 34.72 132.80 2.5 160.50	330.52 -1867 -13774	6 2
MAGNESIUM - Mq + + SODIUM - Nd + BARIUM (INCL. STRONTIUM) - Bd + + TOTAL IRON - Fe+ + AND Fe+ + + BICARBONATE - HCO3 CARBONATE - CO3 SULFATE - SO4 CHLORIDE - CL TOTAL DISSOLVED SOLIDS	1.00 0.06 5000.0 0 0.40 2118.0 3984.0 120.0 5697.7	0.05 0.005 217.39 0 0.01 34.72 132.80 2.5 160.50	330.52 -1867 -13774	0 2
MAGNESIUM - Mq + + SODIUM - Nd + BARIUM (INCL. STRONTIUM) - Bd + + TOTAL IRON - Fe+ + AND Fe+ + + BICARBONATE - HCO3 CARBONATE - CO3 SULFATE - SO4 CHLORIDE - CL TOTAL DISSOLVED SOLIDS	1.00 0.06 5000.0 0 0.40 2118.0 3984.0 120.0 5697.7	0.05 0.05 0.005 217.39 0 0.01 34.72 132.80 2.5 160.50	330.52 -1867 -13774	0 2
MAGNESIUM - Mq + + SODIUM - Nd + BARIUM (INCL. STRONTIUM) - Bd + + TOTAL IRON - Fe+ + AND Fe+ + + BICARBONATE - HCO3 CARBONATE - CO3 SULFATE - SO4 CHLORIDE - CL TOTAL DISSOLVED SOLIDS	1.00 0.06 5000.0 0 0.40 2118.0 3984.0 120.0 5697.7	0.05 0.005 0.005 217.39 0 0.01 34.72 132.80 2.5 160.50	330.52 -1867 -13774	0 2
MAGNESIUM - Mq + + SODIUM - Nd + BARIUM (INCL. STRONTIUM) - Bd + + TOTAL IRON - Fe+ + AND Fe+ + + BICARBONATE - HCO3 CARBONATE - CO3 SULFATE - SO4 CHLORIDE - CL TOTAL DISSOLVED SOLIDS	1.00 0.06 5000.0 0 0.40 2118.0 3984.0 120.0 5697.7	0.05 0.05 0.005 217.39 0 0.01 34.72 132.80 2.5 160.50	330.52 -1867 -13774	0 2
MAGNESIUM - Mq + + SODIUM - Nd + BARIUM (INCL. STRONTIUM) - Bd + + TOTAL IRON - Fe+ + AND Fe+ + + BICARBONATE - HCO3 CARBONATE - CO3 SULFATE - SO4 CHLORIDE - CL TOTAL DISSOLVED SOLIDS	1.00 0.06 5000.0 0 0.40 2118.0 3984.0 120.0 5697.7	0.05 0.005 217.39 0 0.01 34.72 132.80 2.5 160.50	330.52 -1867 -13774	0 2

CHE INC. and the second of the second s

DEPARTMENT OF NATURAL RESOURCES DIVISIONATION GAS, AND MINING 1588 West North Temple Salt Lake City, Utah 84116



REPORT OF WATER ENCOUNTERED DURING DRILLING

⊌ell Nam	e and Numb	er Salerat	us Waste	Water Sy	stem SVD 2-	1705		
Operator		Gulf (il Corpo	ration				
. A	ddress	P.O. Bo	P.O. Box 2619, Casper, Wyoming 82601					
Contract	or	Carmack Drilling						
A A	ddress	1129 Co	lorado Av	re., Suite	314, Grand	Junction,	<u>00.8150</u> 1	
Location	SE 1/4,	<u>NE</u> 1/4, Sec	:. <u>17</u> ;	T. <u>3 -</u> N;	R. <u>5 -E;</u>	Duchesne	County	
water Sa Fr	nds: Depth:	То-	FI	Volume: ow Rate or	- Head -		uality: h or Salty	
1.	See at	tached		600 Bb	L./Day	See	attached	
2.					·			
3.					į			
4.		1			:			
5.								
<i>.</i>			(C	ontinue or	n Reverse S	ide if Nec	essary)	

Formation Tops:

NOTE: (a) Upon diminishing supply of forms, please inform this office.

(b) Report on this form as provided for in Rule C-20, General Rules And Regulations and Rules of Practice and Procedure.

(c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.



LITE RESEARCH LABORATORIES

PO. Box 119

Fort Duchesne, Utah 84926

(801) 722-2254

	LABORATORY N	UMBER	W-2525			
	SAMPLE TAKEN				_	
•	SAMPLE RECEIV	'ED	7-28-75			
	RESULTS REPOR				-	
SAMPLE DESCRIPT	10.1					
SAMPLE DESCRIPT	IUN F. O.f.1. Co			FIELD) NO	
EIELD	E 011 Co.	LEA	SESWD #	2-17C5		WELL NO
**************************************	COUNTY		STATE			
SAMPLE TAKEN FRO	•••					
DEMADVE	ION		TOP			
Wate	er Flow 900' - 21	.00 '				
		SAMDI E	TAPEN DY			
P.Q. # 1	-07900	SAMPLE	TAKEN BY			
	CHE	AICAL AND I	PHYSICAL PROPE	RTIES		
SPECIFIC GRAVITY @	60/60° F1.0025	рН	9.25 RES.	1.30 OH	A METEDS A	77°F
			:	0111	, WEILKS &	
TOTAL HARDNESS	13.8 mg/L as C	nCO ₃	TOTAL A	LKALINITY	1926.0	mg/L as CaCO 3
		WILLICDUS				
CONST	ITUENT	MILLIGRAMS PER LITER	MILLEQUIVALENTS PER LITER	1.	,	EMARKS
CALCUM C		mg/L	MEQ/L			
CALCIUM - Ca + + MAGNESIUM - Mg + +		3.31	0.17			
SODIUM - No +		0.80 1750.0	0.07			
		11/30.0	76.09			
BARIUM (INCL. STRON	TIUM) - Ba + +	0	. 0	+		
TOTAL IRON - Fe+ + /		1,25	0.04	76 27		
BICARBONATE - HCO3	-	1150.0	18.85	76.37	·	
CARBONATE - CO3 TT	· · · · · · · · · · · · · · · · · · ·	776.0	25.87			
SULFATE - SO4		135.0	2.81	 		
CHLORIDE - CL -		1599.4	45.05	92.58		
TOTAL DISSOLVED SO		4240	43.03	92.30		
				<u> </u>	· ····································	
	MIL	LEQUIVALE	NTS PER LITER			
			THE PER LIVER			
L	OGARITHMIC			,	CTA NDA DD	
		1111111111111111	יא ווווו איי		STANDARD	
1						
			Co		MIIMI	
			10	╏	 	+++++++++
					 	
 - 	 	_{{}}	Me			
			10			
					N	
8 8 0	- 9 8	· · · · · · · · · · · · · · · · · · ·	ш г• <u>шши</u> 110	шшшШ	O	
0 #	- 2	000	810 0		V	
		·	7			
		•	ANALYST_			
			" " " " " " " " " " " " " " " " " " "			

CHECKED _____



HCC3

PO Box 119

Furi Duchesne Utah 84026

(801) /22-2254

	W-2630		•
N	0 -2 - 75		•
IVED	9-2-75	-	
			_
	SWD 2-176	FIELD	NO
LEAS	E Lower Sale	ratur Wasl	MELL NO
achizine	STATE 1/16/1		
		2002/ -	· ·
INCC	TOP	315-30	<u> </u>
	•		
SAMPLE	TAKEN BY		
HEMICAL AND	PHYSICAL PROPE	RTIES	770C
)211 pH	9.47 RES. U	.30 OH	A METERS &
	TOTAL A	VALIMITY	goin o mg/L as CaCO
as caco3	TOTAL A	LKALINITI	0010.0
MILLIGRAMS	MLLEQUIVALENTS		REMARKS
	PER LITER MEQ/L		REMARKS
3.07	0.15		
0.55	0.05		
7800.0	339.13		
		220 /1	
		339.41	
		1	
		470.96	
	247.77	1 47,000	
20000	<u> </u>		
- MILLEQUIVAL	ENTS PER LITER	 	
	^		STANDARD
		ППППППППППППППППППППППППППППППППППППППП	
	Co		
	10		
	Ма		
	10		
	810 		0
= 5	O	•	•
	SAMPLE HEMICAL AND D211 pH as CaCO ₃ MILLIGRAMS PER LITER mg L	SAMPLE TAKEN BY	SAMPLE TAKEN BY

ANALYST

CHECKED ____

	LO MALTE	aese	ANCH L		DRATONES
L.					
	A THE THE PARTY OF	Lil. Gar	Complete of the Ora	1-//-	(801) 722-2254
	19 Late of	v , <i>v</i> , <i>y</i> -7	C 75 747	1 / Til	Marie Was
\boldsymbol{L}				1 ACC	The Rec
	LABORATORY SAMPLE TAKE	NUMBER	W-2629	· · · · · · · · · · · · · · · · · · ·	<u> </u>
	SAMPLE RECEI	VED	9-2-75		
A ALL	RESULTS REPO		9-5-75		
143	SAMPLE DESCRIPTION				
	COMPANY Gulf Oil Co.	LEA	SIUDZ-17G	• / ~ >	D NO.
•	FIELD Attament COUNTY DA	die out	Opper 5	areratus	Wash . WELL NO
•	SAUDI E TAYEN EDOM				•
	PRODUCING FORMATION GREEK PER 121	1.00	700 200	7 21	
ł	P.O. 1-11067		10P <u></u>	10 21	26
	1.0. 1-11007		•		
		SAMPLE	TAKEN BY		
•	CHE	MICAL AND	DUVEICAL BRODE		
•	SPECIFIC GRAVITY @60/60° F. 1.016	55 -H	PHYSICAL PROPE	RTIES	
		Pri	7.40 RES0	0F	IM METERS @
1	TOTAL HARDNESS 9.7 mg/L as (aCO 2	TOTAL		(107.0
			TOTAL A	LKALINITY	6107.0 mg/L as CaCO
•	CONSTITUENT	MILLIGRAMS PER LITER	MILLEQUIVALENTS		
7		mg t	PER LITER MEQ/L		REMARKS
	AACNESUM - Co + +	1.00	0.05	†	
	AGNESIUM - Mg + + ODIUM - Na +	0.06	0.005		
_		5000.0	217.39		
<u> 8</u>	ARIUM (INCL. STRONTIUM) - Ba + +	0			
Ţ	OTAL IRON - Fe++ AND Fe+++	0.40	0.01	217 (6	
	ICARBONATE - HCO3	2118.0	34.72	217.46	
	ARBONATE - CO3	3984.0	132.80		
	ULFATE - SO4	120.0	2.5	· · · · · ·	
	HLORIDE - CL -	5697.7	160.50	330.52	
<u> </u>	OTAL DISSOLVED SOLIDS	16440			
				·	
	MIL	LEQUIVALE	NTS PER LITER		_
CI MINITE	LOGÁRITHMIC		Na		STANDARD
			™ 10 IIII 160 IIII		11111111111111111111111111111111111111
				MH1111	
HCO3			Co		111 111111111111111111111
- ;			10		
∞₄ //////			Mg .		
			10	 	
ــــــــــــــــــــــــــــــــــــــ					
	8 8 5 5 5 8	بأن كالمستك	الله الله الله الله الله الله الله الله	ППППП	
000,00	0 = 0	8	80 8 9		0
			U	1	Show the sound
				- Part in the local contract of the local co	
				, ·	Fig. Co. St. Co.

The Board of Oil and Gas Conservation Department of Natural Resources State of Utah

Gentlemen:

Gulf Oil Corporation, an oil and gas operator in the Altamont Field, Duchesne County, Utah, desires to drill and complete a waste water disposal well in the Altamont Field, Duchesne County, Utah. In support of this application, Gulf Oil Corporation submits the following information in conformance with Rule C-II, Drilling and Development, Oil and Gas Conservation Commission.

- 1. There are many producing oil and gas wells in the Altamont Field and surrounding area which are producing in association with oil and gas, salt water, brackish water or other water unfit for domestic, livestock, irrigation or other general uses. Applicant is now using surface pits to dispose of such produced water, but the anticipated volumes of such produced water may exceed the amount that can be effectively disposed of by evaporation.
- 2. In order to avoid surface damages and possible pollution of potable surface waters, applicant desires and proposes to dispose of such water produced with oil and gas from wells in the Altamont Field and surrounding areas by injection underground into the Uinta-Green River formation underlying said area.
- 3. Applicant proposes to drill a water disposal well to be designated SWD 2-17C5 and located 1174 feet from the east line and 1374 feet from the north line of Section 17, Township 3 South, Range 5 West, U.S.M., Duchesne County, Utah. The locations of the proposed disposal well and the only other well within Section 17, a completed oil well, are shown on the attached plat, figure I. The casing and cementing schematic of the producing and SWD wells in Section 17 are attached as figure II.
- 4. All the names of the lessees of record within Sections 8, 9, 16, and 17 are attached in figure III. Lessees of record so listed include all lessees of record within one-half mile of the proposed disposal well.

- 5. The Uinta-Green River formation in the area of the proposed disposal well consists of interbedded tan to white, very fine to fine grained sandstone; brown to tan, sandy siltstone with calcareous and siliceous cementation; green to brown, sandy, silty shales with calcareous cementation; and salt beds. The water in this formation (2750'-3700') is brackish and unfit for domestic, livestock, irrigation or general use. It is into this 2750'-3700' interval that we anticipate the waste water will be disposed.
- 6. The Gulf Joseph Smith 1-17C5 in the same section as the proposed disposal well was logged over the interval into which Gulf Oil Corporation proposes to dispose of the waste water. The BHC Acoustilog-GR log of this interval in the Gulf Joseph Smith 1-17C5 is attached as figure IV. It is our belief that this log shows the interval as will be encountered in the proposed disposal well.
- 7. A sketch of the proposed casing and tubing program is attached in figure V.
- 8. Before use as a disposal well, the casing will be pressured to 3000 psig and held for ten minutes to check for leaks.
- 9. Water to be disposed of is that which is produced with oil from the Green River-Wasatch formations in the Altamont Field and surrounding areas.
- 10. The minimum injection rate is estimated to be 1600 barrels of water per day increasing to an estimated maximum of 9000 barrels of water per day.
- 11. Names and addresses of those notified by applicant are listed in figure VI.

Respectfully submitted,
GULF OIL CORPORATION

H. S. Sealy

CERTIFICATION

I, H. S. Sealy, do herein certify that all persons listed in paragraph ${\tt II}$ of this application have been duly notified by registered mail on the date of this application.

H. S. Sealy

VERIFICATION

I, H. S. Sealy, do solemnly swear that I have read the foregoing application and that I have been reliably informed and verily believe the facts therein stated to be true.

H. S. Sealy

STATE OF WYOMING)

SS
COUNTY OF NATRONA)

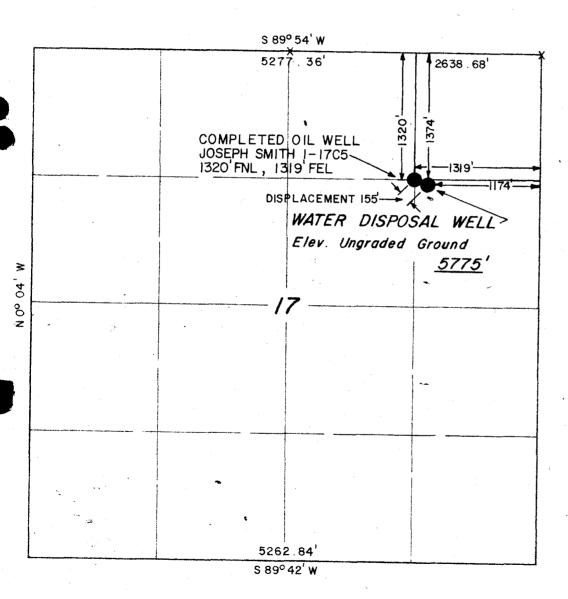
Subscribed and sworn to before me this 64 day of June, 1975.

Betty J. Onderkerk Notary Public

My Commission Expires:

July 25, 1978

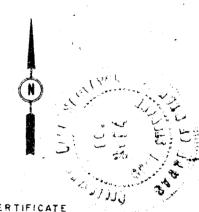
T3S, R5W, U.S.B.&M.



X = Section Corners Located

PROJECT GULF OIL CORPORATION

Water Disposal Well location, located as shown in the SE 1/4 NE 1/4, Section 17, T3S, R5W, U.S.B.&M. Duchesne County, Utah.



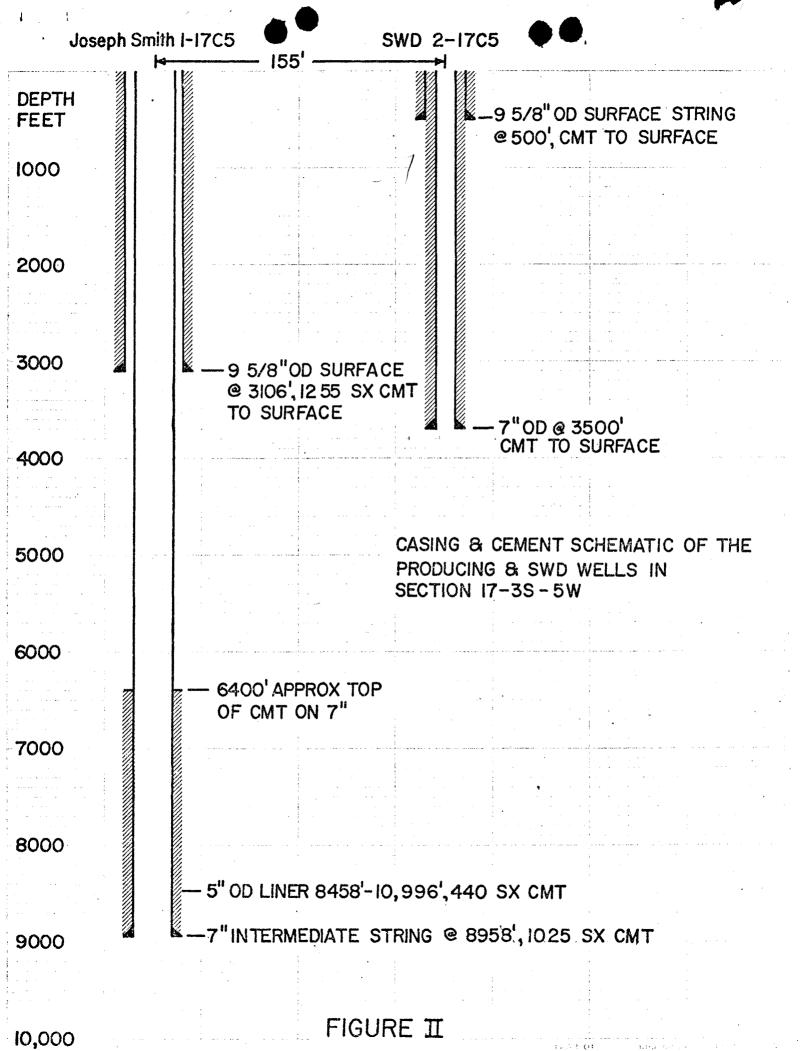
CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

> REGISTERED LAND SURVEYOR REGISTRATION Nº 3154 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING PO BOX Q - 110 EAST - FIRST SOUTH VERNAL, UTAH - 84078

	SCALE " = 1000'	DATE 5/ 12 / 75
CK.	PARTY D.A. D.G.	REFERENCES GLO Plat
14	WEATHER Warm	FILE GULF OIL CORP.



LESSEES OF RECORD WITHIN ONE-HALF MILE OF THE PROPOSED DISPOSAL WELL

Gulf Oil Company - U. S.

Shell Oil Company

Rocket 0il & Gas Company

Stanley H. Singer

United Petroleum & Mining Corporation

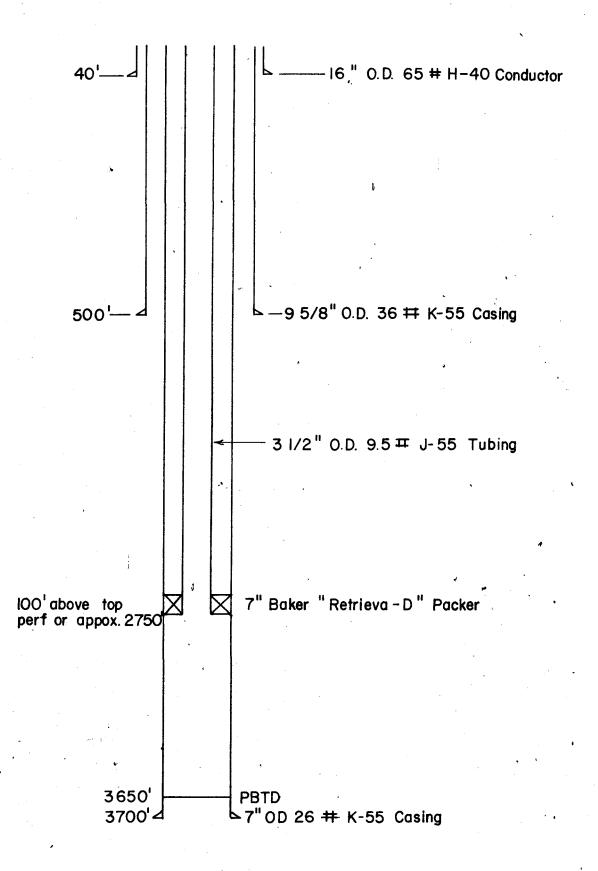
Walter Duncan

Barber Oil Exploration

S. H. Bennion

Note: These are the lessees of record for all of Sections 8, 9, 16 and 17, Township 3 South, Range 5 West, U.S.M., Duchesne County, Utah, and will cover over one-half mile from the proposed disposal well in Section 17-3S-5W.

FIGURE III



FIGURE

▼

NAMES AND ADDRESSES OF THOSE NOTIFIED

Shell Oil Company
Western Division - Production
P. O. Box 831
Houston, TX 77001

Rocket Oil & Gas Company
Box 663
Oklahoma City, Oklahoma 73101

Stanley H. Singer 601 Philtower Bldg. Tulsa, Oklahoma 74103

<u>United Petroleum & Mining Corp.</u> Box 1543 Bismark, North Dakota 58501

Walter Duncan 100 Park Avenue Oklahoma City, OK 73102

Barber Oil Exploration 2627 Tenneco Bldg. Houston, TX 77002

S. H. Bennion c/o V-1 Oil Company 1800 N. Holmes Idaho Falls, Idaho 84031

FIGURE VI

Form DOGC4



STATE OF UTAH

DEPARTMENT OF NATURAL PESOURCES

DIVISION OF OIL & GAS CONSERVATION

1588 WEST NORTH TEMPLE SALT LAKE CITY, UTAH 84116 328-5771

State Lease No.	
Federal Loase No.	
Indian Lease No.	
Fee & Pat.	

REPORT OF OPERATIONS AND WELL STATUS REPORT

	Agent'	ollowir ('s Addr	ess	Corre	Box 2	of op 2619 oming	eration	and pr	oducti	on (inclu Compa Signed	ding drillin	g and produc	Altamont/Salteratus WWI #2-17C5 sing wells) for the month of
Sec. an % of %	d	-		Well	Days Produced		s of Oil	Gravity	Cu. F	t, of Gas ousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	REMARKS (If drilling, depth; if shut down, if date and result of test for gasol content of gas)
374' FN 174' FE Sec. 17	L	3S	5w :	2-17	C5			,			:	20,280	Bbls. injected at avg inj pressure 70
													• • •
								mayor essayapor resumentato del più della milla		ì			
1 -		lyer			ons. Co Naughto		S16						
parameter.	GAS: Sol	(MCF	ented .							. On Proc Sole Una	hand at begi duced durin I during mo ivoidably los Reason	ATE: (To be inning of more growth	WWD #2~17C5 reported in Barrels)

SECONDARY RECOVERY WATER INJECTION - WELL REPORT

LEASE, POOL, OR UNIT SUCESTUS WAS 1 1,570 SCI HEADER NO.

1100000

OPERATOR MILLING

MONTH Cotolier 19

WELL NO. WELL NO. WELL NO. WELL NO. WELL NO. DATE METER READING METER READING METER READING METER READING PRESS. PRESS. BBLS. PRESS. METER READING HEADER PRESS. BBLS. PRESS. BBLS. PRESS. 11011kter 420 75 .15 3 7 1280 1040 9 19 10 11 80 1590 12 1130 13 1000 70 15 16 17 Barrels Injected 20280 460 70 18 21700 19 1855 Pal Month 2500 Total Hardin 19200 70 20 22 40 23 40 24 26 27 28 29 30 70



HCC.

LITE RESEARCH LABORATORIES

P.O. Box 119

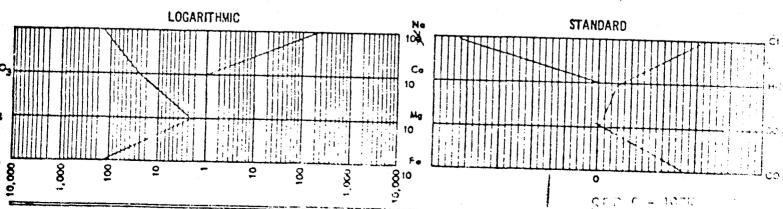
Fort Duchesne, Utah 84026

(801) 722-2254

			W-2525		•
	AMPLE TAKEN		7-28-75	-	
3	FRINTS DEDOD	ED	7-28-75		
-	EJULIS REPUR		7 30 73		-
SAMPLE DESCRIPTION				FIFI D	NO
COMPANYGulf_Oil	Co.	LEA	SESWD #2	-17C5	WELL NO
FIELD	COUNTY		STATE		WELL 110, 2
AMPLE TAKEN FROM					
RODUCING FORMATION			TOP		
FHADYS					
water Fig	ow 900° - 21	00 '			
P.O. # 1-0790	20	SAMPLE	TAKEN BY		
			PHYSICAL PROPER	PTIES	
PECIFIC GRAVITY #60/60°	F1.0025	bH	9.25 RES. 1	.30 nuu	METERS A 77°F
		,		Unim	WEIERS &
TOTAL HARDNESS 13.	8 mg/L as Ca	co ₃	TOTAL AL	KALINITY	1926.0 mg/L as CaCo ₃
		MILLIGRAMS	MILLEQUIVALENTS	T .	
CONSTITUENT		PER LITER mg L	PER LITER		REMARKS
CALCIUM - Ca + +		3,31	MEQ/L	 	
AGNESIUM - Mg + +		0.80	0,17	 	
ODIUM - No +		1750.0	76.09	 	
			7,0,00		
BARIUM (INCL. STRONTIUM)	Ba + +	0 .	0		
TOTAL IRON - F.+ + AND F.	+++	1.25	0.04	76.37	
BICARBONATE - HCO3		1150.0	18.85	7	
AREONATE - CO3 TT		776.0	25.87		
SULFATE - SO4		135.0	2.81		
CHLORIDE - CL =		1599.4	45.05	92.58	
OTAL DISSOLVED SOLIDS		4240			1.5
	MIL	LEQUIVALE	NTS PER LITER		
LOGARIT	HMIC		יא. תדודודודו אי חוון	57	FANDARD
1 (1)			100		
	11447		C _e		
			10		
			We		
			10		
			‼Ш F• [[]]]]]		
	o o	0	010		•
8 8 5	5 8	8	810		0
8 8 5 -	ot 00	1,000	6. 810		o O
8 8 5 -	5 8	 80,1	810 9		0
8 8 2 -	5 8		810 2 ANALYST _		0

CHECKED _____

13 9 4 119	2-1. 1 to 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	ுர் 10 நிழுசங்சி⊍tah	84026		(801) /
		Complete of	1 Files	no H	35
SAMPLE TA			· · · · · · · · · · · · · · · · · · ·	<u> </u>	
	EIVED				
RESULTS RE	PORTED	9-5-75			
SAMPLE DESCRIPTION		5WD2-17CL	- /5151		
COMPANY Gulf Oil Co.	LEA	ee linnam Ca	1 - 1 - ~	Wash	
FIELD Alfamont COUNTY	Miliene	STATE 1/tot	7	 -	WELL NO.
SAMPLE TAYEN EDOM					
PRODUCING FORMATION (EXPERT) REMARKS P.O. 1-11067	Civer	TOP <u> </u>	7-21	56 <u>'</u>	
		•		•	
				•	
C	HENICAL AND	TAKEN BYPHYSICAL PROPE	RTIES		
SPECIFIC GRAVITY @60/60° F1.(HENICAL AND	PHYSICAL PROPE 9.48 RES. 0	<u>.40</u> or	1M METERS @ .	
SPECIFIC GRAVITY @60/60° F1.(HEMICAL AND 0165 pH	PHYSICAL PROPE 9.48 RES. 0	<u>.40</u> or		
SPECIFIC GRAVITY @60/60° F1.(HEMICAL AND 0165 pH as CaCO3 MILLIGRAMS PER LITER	PHYSICAL PROPE 9.48 RES. 0	<u>.40</u> or	6107.0	mg/L as CaC
TOTAL HARDNESS 9.7 mg/L CONSTITUENT	HEMICAL AND 0165 pH as CaCO3 MILLIGRAMS PER LITER mg !	PHYSICAL PROPE 9.48 RES. 0 TOTAL AL MULEQUIVALENTS PER LITER MEQ/L	<u>.40</u> or	6107.0	
TOTAL HARDNESS 9.7 mg/L CONSTITUENT CALCIUM - Co + +	HEMICAL AND 0165 PH 01 COCO3 MILLIGRAMS PER LITER Tig ! 1.00	PHYSICAL PROPE 9.48 RES. 0 TOTAL AL MILLEQUIVALENTS PER LITER MEQ/L 0.05	<u>.40</u> or	6107.0	mg/L as CaC
TOTAL HARDNESS 9.7 mg/L CONSTITUENT	HEMICAL AND 0165 pH as CaCO3 MILLIGRAMS PER LITER mq: 1.00 0.06	PHYSICAL PROPE 9.48 RES. 0 TOTAL AL MILLEQUIVALENTS PER LITER MEQ/L 0.05 0.005	<u>.40</u> or	6107.0	mg/L as Cad
TOTAL HARDNESS 9.7 mg/L CONSTITUENT CALCIUM - Ca + + MAGNESIUM - Mq + +	HEMICAL AND 0165 PH 01 COCO3 MILLIGRAMS PER LITER Tig ! 1.00	PHYSICAL PROPE 9.48 RES. 0 TOTAL AL MILLEQUIVALENTS PER LITER MEQ/L 0.05	<u>.40</u> or	6107.0	mg/L as Cad
TOTAL HARDNESS 9.7 mg/L CONSTITUENT CALCIUM - Ca + + MAGNESIUM - Mg + + SODIUM - Ng + BARIUM (INCL. STRONTIUM) - Bg + +	HEMICAL AND 0165 pH as CaCO3 MILIGRAMS PER LITER Tig: 1.00 0.06 5000.0	PHYSICAL PROPE 9.48 RES. 0 TOTAL AI MILEQUIVALENTS PER LITER MEQ/L 0.05 0.005 217.39	<u>.40</u> or	6107.0	mg/L as Cad
TOTAL HARDNESS 9.7 mg/L CONSTITUENT CALCIUM · Ca + + MAGNESIUM · Mq + + SODIUM · Na + BARIUM (INCL. STRONTIUM) · Ba + + TOTAL IRON · Fe + + AND Fe + + +	HEMICAL AND 0165 pH as CaCO3 WILLIGRAMS PER LITER ma ! 1.00 0.06 5000.0	PHYSICAL PROPE 9.48 RES. 0 TOTAL AI WILLEQUIVALENTS PER LITER MEQ/L 0.05 0.005 217.39	-KALINITY	6107.0	mg/L as Cad
TOTAL HARDNESS 9.7 mg/L CONSTITUENT CALCIUM - Ca + + MAGNESIUM - Mq + + SODIUM - Na + BARIUM (INCL. STRONTIUM) - Ba + + TOTAL IRON - Fe + + AND Fe + + + BICARBONATE - HCO3	HEMICAL AND 0165 pH as CaCO3 MILLIGRAMS PER LITER mq: 1.00 0.06 5000.0 0 0.40	PHYSICAL PROPE 9.48 RES. 0 TOTAL AI WILLEQUIVALENTS PER LITER MEQ/L 0.05 0.005 217.39 0 0.01	<u>.40</u> or	6107.0	mg/L as Cad
TOTAL HARDNESS 9.7 mg/L CONSTITUENT CALCIUM - Ca + + MAGNESIUM - Mq + + SODIUM - Na + BARIUM (INCL. STRONTIUM) - Ba + + TOTAL IRON - Fe+ + AND Fe+ + + BICARBONATE - HCO3 T CARBONATE - CO3 T	HEMICAL AND 0165 PH	PHYSICAL PROPE 9.48 RES. 0 TOTAL AL WLLEQUIVALENTS PER LITER MEQ/L 0.05 0.005 217.39 0 0.01 34.72	-KALINITY	6107.0	mg/L as Cad
TOTAL HARDNESS 9.7 mg/L CONSTITUENT CALCIUM - Ca + + MAGNESIUM - Mq + + SODIUM - Nd + BARIUM (INCL. STRONTIUM) - Ba + + TOTAL IRON - Fe+ + AND Fe+ + + BICARBONATE - HCO3 CARBONATE - SO4 SULFATE - SO4	HEMICAL AND 0165 PH	PHYSICAL PROPE 9.48 RES. 0 TOTAL AL MILLEQUIVALENTS PER LITER MEQ/L 0.05 0.005 217.39 0 0.01 34.72 132.80	-KALINITY	6107.0	mg/L as Cad
TOTAL HARDNESS 9.7 mg/L CONSTITUENT CALCIUM - Ca + + MAGNESIUM - Mq + + SODIUM - Na + BARIUM (INCL. STRONTIUM) - Ba + + TOTAL IRON - Fe+ + AND Fe+ + + BICARBONATE - HCO3 T CARBONATE - CO3 T	HEMICAL AND 0165 PH	PHYSICAL PROPE 9.48 RES. 0 TOTAL AL WLLEQUIVALENTS PER LITER MEQ/L 0.05 0.005 217.39 0 0.01 34.72	-KALINITY	6107.0	mg/L as CaC



ANALYST	
CHECANO	



LITE RESEARCH LABORATORIES

PU 804 119

Fort Duchesne Utah 64026

(801) /22-2254

	,	W-2630		
LABORATORY N SAMPLE TAKEN SAMPLE RECEIV RESULTS REPOR	ED	9-2-75		- - -
SAMPLE DESCRIPTION COMPANY Gulf Oil Co. FIELD Altmont COUNTY 1)111	LEAS	_ STATE <u>[[70]]</u>	ratur Wasi	n WELL NO
SAMPLE TAKEN FROM PRODUCING FORMATION Green Riv REMARKS P.O. I-11067		TOP TOP	313 <u>-</u> 31	Z <i>EU</i> .
SPECIFIC GRAVITY @60/60° F1.021	<u> 1</u> pH	PHYSICAL PROPEI 9.47 RES. 0	.30 он	
CONSTITUENT	MILLIGRAMS PER LITER mg L	MLLEQUIVALENTS PER LITER MEQ/L		REMARKS
CALCIUM - Ca + + MAGNESIUM - Mg + +	3.07 0.55	0.15		
SODIUM - No +	7800.0	339.13		
BARIUM (INCL. STRONTIUM) - Ba + + TOTAL IRON - Fe+ - AND Fe+ + + BICARBONATE - HCO3 CARBONATE - CO3	2.28 2810.0 5200.0	0 0.08 46.07 173.33	339.41	
SULFATE - SO4 CHLORIDE - CL - TOTAL DISSOLVED SOLIDS	180.8 8796.5 20800	3.77 247.79	470.96	
A	AILLEQUIVAL	ENTS PER LITER		
LOGARITHMIC		Ne		STANDARD
		100		
		10 Fe		
8 0 0	<u>\$</u> 8	8 ¹⁰	•	•

ANALYST

CHECKED _____

DEPART OF OTAH DEPART OF OTAH O



V

REPORT OF WATER ENCOUNTERED DURING DRILLING

₩ell Name and Number	Saleratus Waste Water System SWD 2-1705								
Operator	Gulf Oil Corporation								
Address	P.O. Box 2619, Casper, Wyoming 82601								
Con tractor	Carmack Drilling								
Address	Address 1129 Colorado Ave., Suite 314, Grand Junction, CO. 8150								
Location SE 1/4, NE	ocation <u>SE 1/4, NE 1/4, Sec. 17; T. 3 N; R. 5 E; Duchesne</u> County								
water Sands: Depth: From- To-	Volume: Quality: Flow Rate or Head - Fresh or Salty								
See attach	ed 600 Bbl./Day See attached								
2.									
3.									
4.									
5.									
	(Continue on Reverse Side if Necessary)								
Formation Tops:									

NOTE: (a) Upon diminishing supply of forms, please inform this office.

(b) Report on this form as provided for in Rule C-20, General Rules And Regulations and Rules of Practice and Procedure.

(c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.

Jan 19 1976

STATE OF WIAH

DEPARTMENT OF NATUPAL PESOURCES

DIVISION OF OIL & GAS CONSERVATION

1588 WEST NORTH TEMPLE SALT LAKE CITY, UTAH 84116 - 328 5771

State Lease No.
Federal Loase No.
Indian Lease No.
Fee & Pat.

דמ

REPORT OF OPERATIONS AND WELL STATUS REPORT

		allowi		c prri		ofor	peration	s and pr	oducti		•		#2-17C5 ing wells) for the month of:
	******	's Add	ress	P. O Casp	. Box 2 er, Wyo 235-13	2619 oming	826	01	·······				ation
Sec. an % of ?	d	Twp.	Range	Well No.	Days Produced	Barrel	s of Oil	Gravity	Cu. F	t, of Gas ousancs)	Gallons of Gasolina Recovered	Barrels of Water (if none, so state)	REMARKS (If drilling, depth; if shut down, ca date and result of test for gasolin content of gas)
74' FN 74' FE ec. 17	L	3s	5W :	2-17	C5							37,110	bbls. injected @ avg. pressure 135
											·		•
						/							
1 -		lyer			ons. Co Naughto		S1 6					Saleratus	WWD #2-17C5
	So Ft	red/V	ented.	······						On t Prod Sald	rand at begi faced during fauring mo voidably los	ATE: (To be noing of mong month	reported in Barrels) th
,				:						On t			······································

SECONDARY RECOVERY WATER INJECTION - WELL REPORT

LEASE, POOL, OR UNIT Sqlesatus Wash Disposal 2-17es HEADER NO.

OPERATOR MUNICIPALITY TOURS

Twick MONTH December 1975

WELL NO. WELL NO. WELL NO. WELL NO. WELL NO. DATE METER READING METER READING METER READING HEADER PRESS. METER READING METER READING PRESS. BBLS. PRESS. PRESS. BBLS. 120 2 140 3 4 5 3/01 7 8 9 10 DODL ?] 12 200 13 14 15 16 17 150 18 19 20 21 2145 and in Stock - november 22 23 200 24 200 25 200 25 200 27 2185 210 22 29 30 37

20110/13(1

PERFORATION RECORD SALERATUS WASTE WATER SYSTEM SWD 2-17C5

3,275'-286'. 3,206'-230', 3,042'-052', 2,982'-986', 2,784'-794', 2,391'-396', 2,303'-326', 2,140'-156', 2,121'-128', 2,063'-070', 2,017'-028'. Total 128', 512 holes, 11 intervals

SCOTT M. MATHESON Governor

GORDON E. HARMSTON Executive Director. NATURAL RESOURCES

> CLEON B. FEIGHT Director



OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON Chairman

JOHN L. BELL C. RAY JUVELIN THADIS W. BOX CONSTANCE K. LUNDBERG EDWARD T. BECK E. STEELE McINTYRE

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING 1588 West North Temple Salt Lake City, Utah 84116 (801) 533-5771

TO: All Water Disposal Well

Operators

DATE:

September 30, 1980

FROM: CLEON B. FEIGHT

SUBJECT: Waste Water Disposal

Well's

A recent survey of the WDW'S in the Uintah Basin was made and the following apparent deficiencies were noted:

(1) If a high-low pressure shut-off switch was installed, in most instances the high shut-off was far above the formation break-down pressure. Also, on many wells, a pressure chart or gauge for injection pressure had not been installed.

(At this point we'd like to remind all operators that one of the conditions for the utilization of WDW'S was the selection of 0.5/lb. square inchift. of depth as the overall formation fracture gradient).

- (2) In numerous cases we were unable to determine the presence of a recording device or meter for daily volume injected. (This Division does not at this time specify the type of recording device to be utilized, however, in the case of continued absence of any recorder, it shall and will be the perogative of the Division to shut the WDW in until such time a working recording device is installed).
- (3) Housekeeping in many areas is totally inadaquate, and results in unnecessary pollution.
 - Well identification signs were missing on several locations.

This Division would appreciate if all operators would take immediate steps to put these wells in proper operating order no later than October 30, 1980.

Due to the recent adoption of Rules & Regulations for underground injection of produced water, as well as secondary recovery, etc. by the EPA, a representative from said agency will accompany a member of this Division on our November inspection.

⁴ Memo September 30, 1980 Page Two

So at this time we ask and hope that these wells be in First Class condition.

THANK YOU

DIVISION OF OIL, GAS AND MINING

CLEON B. FEIGH DIRECTOR

CBF/bjh

Scott M. Matheson, Governor Temple A. Reynolds, Executive Director Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

April 22, 1982

Gulf Oil Corporation P.O. Box 2619 Casper, Wyoming 82601

RE: Salt Water Disposal Well Saleratus 2-17C5 Sec. 17, T3S, R5W Duchesne County, Utah

Gentlemen:

Division personnel have been making regular inspections of injection wells including the Saleratus 2-17C5 well. In reviewing the records of injection pressure for this well taken by our staff, a steady pressure decline was observed. This is contrary to normal injection well behavior since the injection rate seems to have held fairly constant. There is probably a logical explanation for this decline, if so please enlighten us.

If you have any questions, please don't hesitate to call.

Sincerely,

GILBERT L. HUNT

GEOLOGIST

cc: Thalia Pratt, UIC Specialist GLH:sc

Gulf Oil Exploration and Production Company

J. L. Goolsby

PRODUCTION MANAGER, CASPER AREA

P. O. Box 2619 Casper, WY 82602

May 3, 1982

State of Utah Natural Resources and Energy Oil, Gas, and Mining 4241 State Office Building Salt Lake City, UT 84114

Gentlemen:

Re: Salt Water Disposal Well Saleratus 2-17C5 Section 17-3S-5W Duchesne County, Utah

In reply to your letter dated April 22, 1982, the noted pressure decline may be attributed to meter recalibration and gauge replacement during October, 1981. This work resulted in an 80 psi decline from previous measurements.

Gulf hopes this explanation answers your question. In the event of further inquiry concerning this matter, please contact Mr. D. H. Jones at this office.

Very truly yours,

J. L. Goolsby

DHJ/1kb



DIVISION OF OIL, GAS & MINING





Scott M. Matheson, Governor Temple A. Reynolds, Executive Director Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building : Salt Lake City, UT 84114 • 801-533-5771

June 29, 1983

Mr. R.Y. Arnold Gulf Oil Expl. & Prod. Box 1450 Roosevelt, UT 84066

> Re: Well No's. 1-28A2, 1-26A2 & 1-17C5

Dear Mr. Arnold,

Please find enclosed copies of the Well Integrity Reports relative to the pressure tests performed on 6-23-83, on the above mentioned wells.

All tests appear to be good, and I would like to express our appreciation for the cooperation and help provided by Mr. Van Jensen and Mr. Lee Mecham.

If you have any questions relative to the above, please do not hesitate to call or write.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

THALIA R. PRATT UIC SPECIALIST

TRP/tp

Enclosures: Copies of Well Integrity Reports

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
4241 State Office Building
Salt Lake City, Utah 84114

WELL INTEGRITY REPORT
* * * * * * * * * * * * *

DATE: <u>6-23-83</u> COMPA	NY/OPERATOR <u>Sufface</u>
Water Disposal Well $oldsymbol{oldsymbol{igwedge}}$ Enhanced Recovery Well $_$	Other
API Well Number 43- 0/3 -30388 Field Nam	e altamont
SEC. 17 TOWNSHIP 35 RANGE 6 W WELL NA	ME/NUMBER 1-1705
Lease Name/Number Location <u>SE</u> 1/4 of _	NE1/4 COUNTY: Duchesne
* * * *	
INITIAL CONDITIONS: Long string Rate/Pressure: 3900 bw/d 3 Short String Rate/Pressure: 1/14 bw/d 1/2 Csg-tbg Annulus Pressure: psi	
CONDITIONS DURING TEST: Long string Pressure: 375 psi 10 Mine Short string Pressure 1/4 psi 1/4 Mine Csg-tbg Annulus Pressure 1,000 psi	
Amount of water added to annulus:bbls	
AFTER ANNULUS BLEED OFF: Long string Pressure: 75 psi Short string Pressure: 1/A psi Csg-tbg Annulus Pressure: psi	
REMARKS: * During test, the	pressure
went up 50 ps, but the	Pressure
bleed-off, the casing pres	sure read o,
Lan Jensen + Lee Mechamo Operator Representative (Name)	I halia Peach
<u> </u>	FIELD INSPECTOR (Witness)

Gulf Oil Exploration and Production Company

L. G. Rader
PRODUCTION MANAGER - CASPER TEA

July 2, 1985

P. O. Box 2619 Casper, WY 82602

State of Utah Division of Oil, Gas and Mining 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203

RECEIVED

JUL 05 1985

Gentlemen:

DIVISION UNDER THE GAS & ME

Effective July 1, 1985, the corporate name of Gulf Oil Corporation was changed to Chevron U.S.A. Inc. This will be applicable to all operations, agreements, contracts, documents, and permits of Gulf Oil Corporation in the area of and/or under your jurisdiction.

The attached information is being furnished to facilitate the name change of appropriate records under your authority, and submitted as our understanding of the procedure required to accomplish the change.

Please advise this office or the office listed on the attachments should additional information be needed.

Sincerely.

L. G. Rader

KWR/mdb

Attachments



A DIVISION OF GULF OIL CORPORATION

PENNZOIL EXPLORATION AND PRODUCTION COMPANY

P.O. DRAWER 1139 • DENVER, COLORADO 80201-1139 • (303) 832-6060

December 23, 1985

State of Utah Division of Oil, Gas and Mining Room 4241 State Office Building Salt Lake City, UT 84114

Attn: Gil Hunt

Re: Notice of Transfer of Ownership

Disposal Wells

Bluebell/Altamont Area Duchesne County, Utah

Gentlemen:

Please find attached copies of those certain Transfers of Ownership affecting the following disposal wells which Pennzoil has recently purchased from Chevron, U.S.A. Inc.

E)

3-1S-2W

- A) SWD 2-26A2 43-013-3039 9 26-15-2W
- B) SWD 2-17C5 -43-DI3-3のうまず 17-3S-5W
- C) SWD 3-31A3 43-013 30368 31-1S-3W
- D) SWD 2-10B1-43-013-30367 10-2S-1W

RECEIVED

DEC 26 1985

DIVISION OF OIL GAS & MINING

F) SWD 1-11A2 45-253-26255 11-1S-2W

SWD 1-3A2 43-013-30021

G) SWD 2-28A2 - 43-03- さのづみし 28-1S-2W

As indicated on the attached materials, the Order No. Authorizing Injection has been left blank affecting the SWD 2-26A2, SWD 2-17C5, and the SWD 2-28A2 wells, due to the fact that same could not be found during our initial review of Chevron's records.

If you should have any questions, please do not hesitate to contact this office.

Sincerely,

PENNZOIL COMPANY

Robert E. Burton, Jr. Land Project Supervisor

REB/cm

Attachments

FORM NO. DOGM-UIC-7

STATE OF UTAH DIVISION OF OIL, GAS, AND MINING Room 4241 State Office Building Salt Lake City, Utah 84114

RECEIVED

DEC 26 1985

RULE 1-9

NOTICE OF TRANSFER OF OWNERSHIP

DIVISION OF OIL GAS & MINING

Classification of Well Transfe	ered: Disposal We	II ☑ Enhanced Recovery Injection Well □
Name of Present Operator _	Chevron U.S.A. Inc.	
Address	700 South Colorado B	oulevard
	Denver, Colorado 802	22
Well Being Transferred:		
Name:SWD 2-17C5 (Sa	lt Water Disposal)	
Location: Sec. <u>17</u> Tw	rp. <u>3S</u> Rng. <u>5W</u>	CountyDuchesne
Order No. Authorizing Injection	on	Date
Zone Injected Into: Uinta	a-Green River Formation	1
Effective Date of Transfer	December 2, 1985	
		Signature
		Signature Dic 2 1955 Date
Name of New Operator	Pennzoil Company	
Address	700 Milam, Houston, Te	xas 77002
		Dé Cause.
		Signature of New Operator / 2- 2 - 85
		Date
continue to inject	y the Division of Oil, Gas, a of the above-named well and the fluids as authorized by Ordentil after Notice, Hearing, and	nd may:

STATE OF UTAH DIVISION OF OIL, GAS, AND MINING ROOM 4241 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 (801) 533-5771

FORM NO. DOGM-UIC-1 (Revised 1982)

SEAL

My commission expires <u>03/16/86</u>

FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR INJECT FLUID INTO THE Saleratus Wash WWD. EXISTING WELL (RULE 1-4)	_
Casper, Wyoming ZIP 82602 INDIVIDUAL PARTNERSHIP CORPORATION X FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR INJECT FLUID INTO THESaleratus Wash WWD WELL SEC. 17 TWP. 3S RANGE 5W Duchesne COUNTY, UTAH APPLICATION Comes now the applicant and shows the Corporation Commission the following: 1. That Rule i-5 (g) (iv) authorizes administrative approval of enhanced recovery injections, of Gas storage operations. 2. That the applicant submits the following information. Lease Name Saleratus Wash WWD 2-17C5 Field County Duchesne Saleratus Wash WWD 2-17C5 Altamount Duchesne Location of Enhanced Recovery SE NE Sec. 17 Twp. 3S Rge. New Well To Be Drilled Yes No M Old Well To Be Converted Yes No M Old Well To Be Contain State What	
FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR INJECT FLUID INTO THE Sale ratus Wash WWD WELL SEC. 17 TWP. 3S RANGE 5W Duchesne COUNTY, UTAH APPLICATION Comes now the applicant and shows the Corporation Commission the following: 1. That Rule 1-5 (g) (iv) authorizes administrative approval of enhanced recovery injections, of Gas storage operations. 2. That the applicant submits the following information. Lease Name Sale ratus Wash WWD 2-17C5 Field County Sale ratus Wash WWD 2-17C5 Altamount Duchesne Location of Enhanced Recovery SE NE Sec. 17 Twp. 3S Rge. New Well To Be Drilled Yes No X Casing Test Yes X No Date 06/ Depth-Base Lowest Known COO Does Injection Zone Contain State What	•
APPLICATION Comes now the applicant and shows the Corporation Commission the following: 1. That Rule 1-5 (g) (iv) authorizes administrative approval of enhanced recovery injections, digas storage operations. 2. That the applicant submits the following information. Lease Name Saleratus Wash WWD Saleratus Wash WWD Saleratus Wash WWD Sec. 17 Twp. 3S Rge. New Well To Be Drilled Yes No Mell To Be Converted	•
Comes now the applicant and shows the Corporation Commission the following: 1. That Rule 1-5 (g) (iv) authorizes administrative approval of enhanced rcovery injections, decreased operations. 2. That the applicant submits the following information. Lease Name Saleratus Wash WWD 2-17C5 Well No. Saleratus Wash WWD 2-17C5 Field County Duchesne Location of Enhanced Recovery Injection or Disposal Well SE NE Sec. 17 Twp. 3S Rge. New Well To Be Drilled Yes \(\subseteq \text{No } \subseteq \subseteq \text{Old Well To Be Converted} \) Yes \(\subseteq \text{No } \subseteq \subseteq \text{Date What} \) Depth-Base Lowest Known COO Does Injection Zone Contain State What	
Comes now the applicant and shows the Corporation Commission the following: 1. That Rule 1-5 (g) (iv) authorizes administrative approval of enhanced recovery injections, decreased as storage operations. 2. That the applicant submits the following information. Lease Name Saleratus Wash WWD 2-17C5 Well No. Saleratus Wash WWD 2-17C5 Altamount Duchesne Location of Enhanced Recovery Injection or Disposal Well SE NE Sec. 17 Twp. 3S Rge. New Well To Be Drilled Yes \(\text{No} \) \(\text{No} \) \(\text{Date} \) \(\text{Date} \) \(\text{Date} \) \(\text{No} \) \(\text{Date} \) \(\text{Date} \) \(\text{Does Injection Zone Contain} \)	
Saleratus Wash WWD 2-17C5 Altamount Duchesne Location of Enhanced Recovery SE NE Sec. 17 Twp. 3S Rge. New Well To Be Drilled Yes No No Does Injection Zone Contain State What	lisposal or Ll
Location of Enhanced Recovery SE NE Sec	
New Well To Be Drilled Yes □ No ☑	5W
Location of Altamount Field Produced Geologic Name(s) Green River & Wasatch and Depth of Source(s) 8400-12000	
Geologic Name of Injection Zone Green River Interval 2017 to 3286	
	297
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES NO	
Lithology of Intervening Zones	
Injection Rates and Pressures Maximum N/A B/D 1000 PSI	
The Names and Addresses of Those to Whom Notice of Application Should be Sent.	
Juanita C. Smith	
Dennis G. Smith april 55 the Section 11105	
Nations) Da 17.7774 Applicant	
county of Natifula D. E. Malluga D.	
Before me, the undersigned authority, on this day personally appeared	roductio

(OVER)

Notary Public in and for Watrona County,

My Commission Expires March 16, 1986

Wyoming

INSTRUCTIONS

- 1. Attach qualitative and quantitative analysis of representative sample of water to be injected and a qualitative and quantitive analysis of the injection formation of water.
- 2. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within one-half mile, together and with the name of the operator(s).
- 3. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division or appropriate government agencies.)
 - 4. Attach Electric or Radioactivity Log of Subject well (if released).
- 5. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
- 6. If the application is for a NEW well the original and six (6) copies of the application and three (3) complete sets of attachments shall be mailed to the Division. For EXISTING well applications (Rule I-4) only ONE copy of the application and ONE complete set of attachments are required to be mailed to the Division.
- 7. The Division is required to send notice of application to he surface owner of the land within one-half mile of the injection well and to each operator of a producing leasehole within one-half mile of the injection well. List all required names and addresses in the appropriate space provided on the front of this form.
- 8. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county of publication before the application is approved. The notice shall include the name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application may be approved administratively.
- 9. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed by January 31st each year.
- 10. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
 - 11. If there is less intervening thickness required by Rule I-5 (b) 4, attach sworn evidence and data.
- 12. For enhanced recovery projects, information required by Rule I-4 which is common to more than one well, need be reported only once on the application.

CASING AND TUBING DATA

NAME OF STRI	NG SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	9 5/8"	608	455		
Intermediate		,			
Production	7"	3692	760		
Tubing	3 1/2"	1875	Name - T	ype - Depth of	Tubing Packer
Total Depth 3710	Geologic Name - Inj Green River	. Zone Depti	h - Top of Inj. Interv 2017	al Depth	Base of Inj. Interval

Sixe 9 5/8" 7"	36# 23# 8 29#	K-55 N-80	608 3692	1000	455 760		371	
9 5/8"	36#	K-55		1000				
9 5/8"	36#	K-55		1000				
9 5/8"	36#	K-55		1000				
			608	1000	455			
Size	Wgt.	9.555						
*		Grade	Feet	Psi	Sax	Fillup		Top
	Cas	sing Set	CASIN	Csg. Test	<u> </u>	<u> </u>	ment	
			CASINO	& CEMENT				<u> </u>
			_	-				
	N/A							
						·		
	Name	From	To	GAS ZONES	Name		From	To
Single Zo Multiple	Zone nd						•	
	ate Well Correctle	y .	ELEVATION DE	FROM SL OF 1/4 RRICK FLOOR	5792	- GR	FT. FROM V	VL OF 14 SEC 5775
. [s		WELL LOCATED	NE 1/4 S	E ¼ NE	_1/4		
				TED 07/18 1 PRODUCTION	9 <u>/3</u> DRII <u>N/A</u>	LUNG FIN	MPLETED O	<u>/ 2819 /5</u> 9/03/75
'	111	<u> </u>	FARM NAME	aleratus	Wash w	/ELL NO.	2-17	7C5
		tii ,	OFFICE ADDRES	casper	O. Box	(2619 E ZIP _	101 00	2602
1-1-1	+++-		COMPANY OP	hesne _{sec.} _ RATING _GU	lf 0il	Corpo	oration	rge. <u>5W</u>
· · · · · · · · · · · · · · · · · · ·	640 Acres N		Salt Lake (ate Office Build Lity, Utah 84114	١ .		20	гu
PI NO.43	013-30 013-30-	<u>38</u> 8 •	DIVISION OF CI	AL RESOURC L, GAS, AND MI	NING	NERGY		LEASE NO
			•	ys after drilli			***************************************	COUNT
Rule I-5 (b Revised 19		ITA ha filad .				I IN		

COMPLETION & TEST DATA BY PRODUCING FORMATION 1 2 3								
ORMATION	Green River							
PACING & SPACING ORDER NO.	640 Acre							
CLASSIFICATION DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)	Disposal Well							
PERFORATED	2017-28 9	2303-26 2-3	3042-52 /6					
	2063-70 7	2391-96 5	3206-30 24					
INTERVALS	2121-28 7	2784-94 / 🕏	3275-86 /)					
	2140-56 16	2982-86 4						
ACIDIZED?	Yes							
•	: 14.							
FRACTURE TREATED?	No							
NITIAL TEST DATA								
Date	N/A							
Oil, bbl./day								
Oil Gravity								
Gas, Cu. Ft./day	CF	CF	CF					

A record of the formations drilled through, and pertinent remarks are presented on the reverse. (use reverse side)

I, the undersigned, being first duly sworn upon eath, state that this well record is true, correct and comple	
according to the records of this office and to the best of my knowledge and belief.	

Telephone (307) 235-1311

Gas-Oil Ratio Cu. Ft./Bbl.

Water-Bbi./day **Pumping or Flowing CHOKE SIZE** FLOW TUBING PRESSURE

D. F. McHugo, Production Engineer

Subscribed and sworn before me this 23rd day of September 19 83



SOONER CHEMICAL SPECALTIES, INC.

P.O. Box 711 SEMINOLE, OKLAHOMA 74868 Phone (405) 362-2000 P.O. Box 696 GRAND JUNCTION, COLORADO 81502 Phone (303) 858-976. P.O Box 1436 ROOSEVELT, UTAH 34066 Phone (801) 722-3386

WATER AMAI VAIS REPORT

COMPANY	Saleratus	Wash Uto Dispo	<u>sal</u> ac	PDRESSR	oosevelt, Utah	DATE:	9-20-83
SOURCE.	1-7-3-5		DATE SAMPLED		9-20-8	1230	
		Analysis		1	tig/l(ppm)	"	*8169/1
, Ф. РН			8.6				
2. H ₂ S	(Qualitativo)	The second section of the second section of the second section second section	9.0 ppni				
3 Spec	lile Grovity	THE STREET OF A 12 A MANAGEMENT OF STREET, LAND AS	1.0075		•		
d. Disoc	lved Solids				ad and managed 5 c 400 to 2 miles 12 fb 1 2 miles 1 miles 200 miles		
S. Quap	onded Solids			AND CONTROL THE PROPERTY OF THE PARTY.	\$ 1181 P 00 P 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1		
6. Anso	robic Bacterial C	count Initiated	Jultura (D/MI		,	
7. Moth	/I Orango Alkalir	ilty (CaCO ₃)		-	1,700		
3. Blear	bonalo (HCO ₁)		H	CQ:	2,074	+61	. 34 ноо
). Chlor	ides (CI)			CI	4,243	435.5	120 C
O. Sulfa	les (SO ₄)		į	SO4	4,800	+48	_ 100so
1. Calci	ım (Cə)			Ca	54.	+20	3 .G:
2 Megn	eolum (Mg)			Mg	22	+12,2	2 Mi
3. Potal	Herdness (CaC) 3)			225		•
় Yotal	Iron (Fø)						
s. Carly	m (Qualitative)			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Q		
(). Phoc	shate Residuals					••,	
CLIS equivalent	For liter	PA	ODADLE MIC	ienal Gompo)SITION		
b				Compound Ca (HCO ₁):	Equiv. W1. X 81.04 _	Meq/I 3	= Mg/l 243
-	c. 0	HCO.		Ca 504	69.07	······································	And The second
3	.		34	Ca Ci;	65.50 <u> </u>		
2	Mg -		100	Mg (HCO:):	73.17	2	146
	j			Mg SO:	60.19		
249	Na	CI	120	Mg Cl ₂	47.62		
i de la companya de l	region Values	- Distilled Water 2	0°C	Na HCOa	04.00	29	2,436
Cat	3O ₇	13 Mg/l		Na: 80.	71.03	100	7,703
Cas	SO₄ 2H₂O	. 2,000 Mg/I		Cla Cl	50.46	120	7,015
Mg	•	103 Mg/l		7 TH W.L	የያብ/ቁ ግዥ W		Andread publication of the second of the sec
_							

water being injected into Contral Bluebell wwp #2-2642



REPORT OF WATER ANALYSIS

Company GulF

9/21/83 Date

Analysis No.

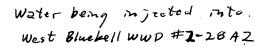
Analysis No.
Sampling Date 9/21/83
Date Sample Rec'd. 9/21/83

Sample Marked Ham BLIN

DISSOLVED SOLIDS . Cations Sodium, Na (Calc.)	mg/1 252/ 48 13	meq/l 109 3.0 1.0	RESULTS AS COMPOUNDS mg// as NaC! as CaCO3 as CaCO3 as BaSO4	
Cations Total	२५७२	113		
Anions Chloride, Cl Sulfate, SO ₄ Carbonate, CO ₃ Dicarbonate, HCO ₃	3278 3 0 1281	92 0 8	as NaCl \$400 as Na ₂ SO ₄ 5 as CaCO ₃ 5 as CaCO ₃ 10 50	
Anions Total	4562	113		
Total Dissolved Solids (Calc.) Total Iron, Fe Acidity to Phenolphthalein, CO2	7144 8.8		as Fe	
OTHER PROPERTIES pH Specific Gravity Turbidity (JTU) H ₂ S	7.7		CaCO3 STABILITY INDEX @ 70° F. @ 120° F. @ 160° F. Method of Stiff & Davis	

Remarks:

nalco chemical company VIECO CHEMICALS





REPORT OF WATER ANALYSIS

Company Gulf

9/21/83 Date

Analysis No. Sampling Date

9/21/83 Dare Sample Rec'd. 9/21/23

Sample Marked OWEN- ANDEDSON

DISSOLVED SOLIDS RESULTS AS COMPOUNDS Cations Sodium, Na (Calc.) as NaCl as CsCQ3 213 Magnesium, Mg as CaCO₃ 117 Barjum, Ba as DaSQ4 146 3333 Cations Total

enoire 113 4006 6600 Chloride, Cl........... as NaCl 40 280 Sulfate, SO₄ as Na₂SO₄ as CaCO3 35 1781 29 as CaÇO3 1460

146 5997 Anions Total

9330.2 Total Dissolved Solids (Calc.) ... Total Iron, Fe as Fe Acidity to Phenolphthalein, CO2 ... as CaCO3

OTHER PROPERTIES CaCO₂ STABILITY INDEX @ 70°F. @ 120° F. Specific Gravity

@ 160° F. Turbidity (JTU)

Method of Stiff & Davis

Remarks:

Naleo Chemical Company VISCO CHEMICALS

P. C. BOX 87 . SUGAR LAND, TEXAS 77476



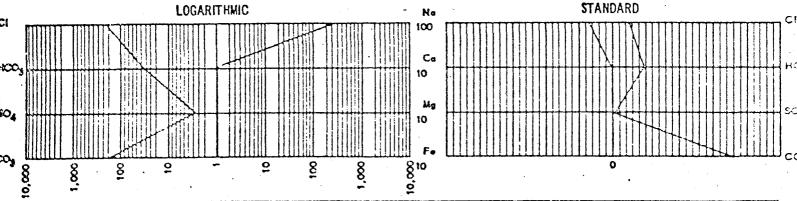
LITE RESEARCH LABORATORIES

PO Box 119

Fort Duchesne, Utah 64020

(801) 722-2254

LABORATOR	Y NUMBER	W-2630		_
· · · · · · · · · · · · · · · · · · ·	CEIVED			
•	PORTED			• •
SAMPLE DESCRIPTION		SNV 2-17C	5 FIELD	NO
COMPANY Gulf Oil Co.	LEAS	E Lower Sale	ratur Wasi	h WELL NO
FIELD Attained COUNTY 1	Juchesne	_ STATE	<u>/</u>	
SAMPLE TAKEN FROM PRODUCING FORMATION COCOL	KINIC .	TOP	515-51	26.
P.O. I-11067			. •	•
	SAMPLE	TAKEN BY		
	באבאוכאן אאט ו	PHYSICAL PROPE	RTIES	
<i>C</i>				•
-).30 OHM	LMETERS @ 77°F
-).30 они	METERS @
SPECIFIC GRAVITY 660/60° F. 1		9.47 RES. 0	LKALINITY	
SPECIFIC GRAVITY 660/60° F. 1	0211 pH	9.47 RES. C		
SPECIFIC GRAVITY 660/60° F. 1	0211pH	9.47 RES. 0		
SPECIFIC GRAVITY 660/60° F. 1. TOTAL HARDNESS 14.1 mg/L CONSTITUENT	0211 pH as CaCO3 MILLIGRAMS PER LITER	9.47 RES. 0 TOTAL A MILEQUIVALENTS PER LITER		8010.0 mg/L as CaCO ₃
SPECIFIC GRAVITY 660/60° F. 1. TOTAL HARDNESS 14.1 mg/L CONSTITUENT CALCIUM - Co + +	0211 pH as CaCO3 MILLIGRAMS PER LITER mg L	70TAL A WILLEQUIVALENTS PER LITER MEQ/L 0.15		8010.0 mg/L as CaCO ₃
SPECIFIC GRAVITY 660/60° F. 1. TOTAL HARDNESS 14.1 mg/L CONSTITUENT CALCIUM - Co + +	0211 pH as CaCO ₃ MILLIGRAMS PER LITER mg L 3.07	70TAL A WILLEQUIVALENTS PER LITER MEQ/L 0.15		8010.0 mg/L as CaCO ₃
SPECIFIC GRAVITY 660/60° F. 1. TOTAL HARDNESS 14.1 mg/L CONSTITUENT CALCIUM - Co + + MAGNESIUM - Mg + + SODIUM - No +	0211 pH	TOTAL A WILLEQUIVALENTS PER LITER MEQ/L 0.15 0.05 339.13		8010.0 mg/L as CaCO ₃
SPECIFIC GRAVITY 660/60° F. 1. TOTAL HARDNESS 14.1 mg/L CONSTITUENT CALCIUM - Co + + MAGNESIUM - Mg + + SODIUM - No + BARIUM (INCL. STRONTIUM) - Bo + +	0211 pH	TOTAL A WILLEQUIVALENTS PER LITER MEQ/L 0.15 0.05 339.13	LKALINITY	8010.0 mg/L as CaCO ₃
SPECIFIC GRAVITY 660/60° F. 1. TOTAL HARDNESS 14.1 mg/L CONSTITUENT CALCIUM - Ca + + MAGNESIUM - Mg + + SODIUM - Na + BARIUM (INCL. STRONTIUM) - Ba + + TOTAL IRON - Fe+ + AND Fe+ + +	0211 pH	TOTAL A WILLEQUIVALENTS PER LITER MEQ/L 0.15 0.05 339.13 0 0.08		8010.0 mg/L as CaCO ₃
SPECIFIC GRAVITY 660/60° F. 1. TOTAL HARDNESS 14.1 mg/L CONSTITUENT CALCIUM - Ca + + MAGNESIUM - Mg + + SODIUM - Na + BARIUM (INCL. STRONTIUM) - Ba + + TOTAL IRON - Fe+ + AND Fe+ + + BICARBONATE - HCO3	0211 pH as CaCO ₃ MILLIGRAMS PER LITER TO 1 3.07 0.55 7800.0 0 2.28 2810.0	TOTAL A WILLEQUIVALENTS PER LITER MEQ/L 0.15 0.05 339.13	LKALINITY	8010.0 mg/L as CaCO ₃
SPECIFIC GRAVITY 660/60° F. 1. TOTAL HARDNESS 14.1 mg/L CONSTITUENT CALCIUM - Ca + + MAGNESIUM - Mag + + SODIUM - Na + BARIUM (INCL. STRONTIUM) - Ba + + TOTAL IRON - Fe+ + AND Fe+ + + BICARBONATE - HCO3 CARBONATE - CO3	0211 pH	9.47 RES. 0 TOTAL A MILLEQUIVALENTS PER LITER MEQ/L 0.15 0.05 339.13 0 0.08 46.07	LKALINITY	8010.0 mg/L as CaCO ₃
SPECIFIC GRAVITY 660/60° F. 1. TOTAL HARDNESS 14.1 mg/L CONSTITUENT CALCIUM - Ca + + MAGNESIUM - Mg + + SODIUM - Na + BARIUM (INCL. STRONTIUM) - Ba + + TOTAL IRON - Fe+ + AND Fe+ + + BICARBONATE - HCO3 T CARBONATE - SO4 T	0211 pH	9.47 RES. 0 TOTAL A WILLEQUIVALENTS PER LITER MEQ/L 0.15 0.05 339.13 0 0.08 46.07 173.33	339.41	8010.0 mg/L as CaCO ₃
SPECIFIC GRAVITY 660/60° F. 1. TOTAL HARDNESS 14.1 mg/L CONSTITUENT CALCIUM - Co + + MAGNESIUM - Mg + +	0211 pH	9.47 RES. 0 TOTAL A MILEQUIVALENTS PER LITER MEQ/L 0.15 0.05 339.13 0 0.08 46.07 173.33 3.77	339.41	8010.0 mg/L as CaCO ₃



ANALYST ____

CHECKE



SOONER CHEMICAL SPENALTIES, INC.

P.O. Box 711 SEMINOLE, OKLAHOMA 74868 Phone (405) 362-2000 P.O. Box 696 GRAND JUNCTION, COLORADO 81502 Phone (303) 858-976.
P.O Box 1436 ROOSEVELT, UTAH 34066 Phone (801) 722-3386

MATER ANALYSIS DECAR

1-7-3-5	COMPANY_		Exploration en : Wash Uto Disp			Roosevelt, Uta	h DATE:	9-20-83
Name	1-7-3-5							
PH					•			
B	,γ. PH		· The state of the	8.6				
Display Solids Suspended S	2. H2S (C	Qualitetivo)	Temperature (1971) of the section of	9.0 pp	m			
Suspended Solids Ansorobic Sactorial Count Initiated Sulture C/MI Motifyl Orange Alkelinity (CaCOs)	3. Specif	ic Gravity	The state of the s	1,0075	<u> </u>			
6. Anscroble Basterial Count Initiated Culturo C/MI 2. Chothyl Orange Alkeliniky (CaCO ₂) 3. Electroentic (HCO ₂) 4. HCO ₃ 5. Control (HCO ₂) 6. Culture (Ci) 7. Ca	4. Dissolu	ved Solida				1 1% of the same of the contract of the con-		
2. Mothyl Orango Alkolinky (CaCO ₃) 3. Blearbonate (HCO ₃) 4. Blearbonate (HCO ₃) 4. Coloridos (Ci) 5. Ci	S. Suspoi	nded Solida					······································	
Bleerbonste (HCO ₂)	6. Ansore	obic Bacterial (ount Initiated	Culture	_ C/MI		,	
O. Chloridos (CI) O. Chloridos (SO ₄) O. Culfatos (Co) O. Culfatos (2. Mothyl	Orango Alkellı	illy (CaCO ₁)		Billion Control	1,700		•
Californ (Co) SO	9. Blearb	onale (HCO ₂)			HCO3	2,074	+ 6 1	. 34HOO
1. Catelum (Ca)). Chlork	des (CI)			CI	4,243	. +35.5	120
2 (Asgneolum (Mg)		• • •			\$0 ₄	4,800	448	100so
3. Total Vardness (CaCO ₃) 4. Yotal Iron (Fo) 5. Carium (Qualitative) 6. Phosphate Residuals PROBABLE MINERAL COMPOSITION Compound Equiv. W1. X Meq/l = Mog/l Ca (HCO ₃): 61.04 3 243 3. Ca					Ca	554	+20	3 .c
S. Carium (Qualitative) G. Phoophate Rasiduals PROBABLE MINIERAL COMPOSITION Compound Equiv. Wt. X Meq/l = Mg/l	=				Mg		+ 12.2	2M
5. Carium (Qualitative) G. Phoophate Rasiduals PROBABLE IMMERAL COMPOSITION Compound Equiv. Wt. X Meg/l = Mg/l 243 Ca (HCO ₁): 81.04 3 243 Ca (HCO ₂): 81.04 3 243 Ca Cl: 65.50 2 Mg		-	O ₃)					
3 Ca	•	• •						
PROBABLE MINERAL GOMPOSITION Compound Equiv. Wt. X Meq. = Mg/l Ca (HCOs): 81.04 3 243 3 Cs		•				0		
PHOBABLE MINERAL COMPOSITION Compound Equiv. Wt. X Meq/l = Mg/l 243 3 Ca	3. Phospi	rate Residuals				17.7	••,	
Compound Com	Till rankvolenti p	ा विक	p	n o bable n	imedal rom	Position		
Ca (HCO ₂): 81.04 3 243 Ca (HCO ₂): 81.04 3 243 Ca SO ₁ 68.07 Ca Cl; 65.50 2 Mg			-			,	X Mea/I :	· Ma/I
2 Mg					Ca (HCO ₃)		3	243
2 Mg	3	C#	HCO.	34	Ca 80.	69.07		
249 Na CI 120 Mg SO: 60.19 Calurotion Values Distilled Water 20°C Na HCO: 60.60 29 2,436 Ca CO: 13 Mg/l Na: 50. 71.03 1.00 7,103 Ca SO: 2H ₂ O 2,000 Mg/l Na CI 50.46 120 7,015					Ca Cli	6 5.50		Webster Harrison and Comments of the Comments of Comme
249 Na CI 120 Mg Cl; 47.62 Callurotion Values Distilled Water 20°C Na HCOs 68.60 29 2.436 Ca COs 13 Mg/l Na: SOs 71.03 100 7,103 Ca SOs - 2H2O 2,000 Mg/l Na Cl 60.46 120 7,015	2	Mg www.		100	Mg (HCO1)	73.17	2	146
Mg Cl; 47.62	2/10	Ma		700	Mg SO:	60.19		
Co CO 13 Mg/l Na: SO 71.03 100 7,103 Co SO 22H2O 2H2O 2,000 Mg/l Na Cl 50.46 120 7,015	·~			120	Mg Clz	47.62		-
Cn SQ ₄ · 2H ₂ O . 2,000 Mg/I Na CI 50.46 120 7,015			Distilled Water	20°C	Na HCO:	84.60		<u>2.436</u>
A TOTAL OF THE PARTY OF THE PAR			13 Mg/l		Na ₁ SO ₄	71.93	100	7,703
Mg CO: 103 Mg/I		•	2,000 Mg/I	•	Na CI	60.46	120	7,015
EMARKS	-		•				. ,	•

Saleratus Wash WWD#2-17C5 Well Diagram

Well Elevation: 5792'x8 577562 95/8 OP surface Pipe set & 608 w/455 5x 31/2", 9.5#, Internally plastic coated tubing Top of cement @ Baker md/ "R" double grip parker @ 1875' 2017 1-28' 2063-70' 27841-941 3042-52' 3206 -30' 3275-86 7"0023 \$29#629729 SETP 3692 W/7605X TTE 3710'

Saleratus Wash WWD # 2-1765 Well Diagram

Well Elevation: 5792'KB 57756L 95/8 OD surface Pipe set & 608 w/455 5x 31/2", 9.5#, Internally plastic coated tubing Top of cement @ Baker mdl "R" double grip packer @ 1875' Perfs 2017 1-28' 2063-70' 2121'-28' 27841-941 ... 3042-52' 3206 - 30 3275-86 7"0023\$29#625mg SEEP 3692 W/7605X TDe 3710'

STATE OF UTAH DIVISION OF OIL, GAS, AND MINING **ROOM 4241 STATE OFFICE BUILDING** SALT LAKE CITY, UTAH 84114 (801) 533-5771

(RULE 1-5 & RULE 1-4)

FORM NO. DOGM-UIC-1 (Revised 1982)

IN THE MATTER OF THE APPLICATION OF Gulf Oil Corporation ADDRESS P. O. Box 2619	CAUSE NO.	
Casper, Wyoming ZIP 82602 INDIVIDUAL PARTNERSHIP CORPORATION X FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR INJECT FLUID INTO THE Saleratus Wash WWB.	ENHANCED RECOVERY INJ. WELL DISPOSAL WELL LP GAS STORAGE EXISTING WELL (RULE I-4)	D Ö D Ö D Ö D
SEC. 17 TWP. 3S RANGE 5W		

APPLICATION

Comes now the applicant and shows the Corporation Commission the following:

Gas storage operation: 2. That the applicant	5.			• •	t enhanced ro	overy injections, dispo	sai or LP
Lease Name	Well N	lo.		Field		County	
Saleratus Wash WWD	<u> </u>	2-17C5		Altam	ount	Duchesne	
Location of Enhanced Recovery SE N	<u>E</u>	Sec1	7		wp. 3S	Rge	ōW
New Well To Be Drilled Yes ロ No 図	Old	d Well To Be Conve Yes □			Casing Test Yes	XIX No Date 06/23	/83
Depth-Base Lowest Known Fresh Water Within ½ Mile 600	1 .	es Injection Zone C -Gas-Fresh Water \		½ Mile YES 🗆	NO ₹X	State What	
Injection of Altamount Water	Field	l Produced	and	Depth of Source	Green Riv	er & Wasatch 2000	
Geologic Name of Green Rive	r		Depth Interv	of Injection at 2017	, 3286		
a. Top of the Perforated Interval: 20	017	b. Base of Fresh	Water:	1720 c. l	ntervening Thick	(ness (a minus b) 297	,
ls the intervening thickness sufficient to without additional data?	show f		protec	ted NO			
Lithology of Intervening Zones		-					
Injection Rates and Pressures	Max	imum		N/A 1000		B/D PSI	
he Names and Addresses of Those to V	Whom N	lotice of Application	n Shou	ld be Sent.			
Juanita C. Smith		· · · · · · · · · · · · · · · · · · ·					
Dennis G. Smith							
ate of Wyoming)	_\$	Daida	1777 PEUL.		
ounty of <u>Natrona</u> Before me, the undersigned	author	rity, on this day	persi	onally apped	red D.	licant F. McHugo, Prod	
nown to me to be the person whath states, that he is duly auth erein, and that said report is tr	orized	to make the a	ed to t bove	the above in report and t	strument, wh hat he has k	no being by me duly so nowledge of the fact	worn on s stated
Suscribed and sworn to be	efore n	ne this 23rd	d	ay of Sept	ember 8	. Hergenraeder Notary	
SEAL				Let	Ll V Court	Bre Wyon	
My commission expires _	03/16	6/86	/ 01	Notary P	ublic in and	Hid Klastina Cally	ty, wyoming

FORM DOGM-UIC-1 (continued)

INSTRUCTIONS

- 1. Attach qualitative and quantitative analysis of representative sample of water to be injected and a qualitative and quantitive analysis of the injection formation of water.
- 2. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within one-half mile, together and with the name of the operator(s).
- 3. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division or appropriate government agencies.)
 - 4. Attach Electric or Radioactivity Log of Subject well (if released).
- 5. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
- 6. If the application is for a NEW well the original and six (6) copies of the application and three (3) complete sets of attachments shall be mailed to the Division. For EXISTING well applications (Rule 1-4) only ONE copy of the application and ONE complete set of attachments are required to be mailed to the Division.
- 7. The Division is required to send notice of application to he surface owner of the land within one-half mile of the injection well and to each operator of a producing leasehole within one-half mile of the injection well. List all required names and addresses in the appropriate space provided on the front of this form.
- 8. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county of publication before the application is approved. The notice shall include the name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application may be approved administratively.
- 9. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed by January 31st each year.
- 10. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
 - 11. If there is less intervening thickness required by Rule 1-5 (b) 4, attach sworn evidence and data.
- 12. For enhanced recovery projects, information required by Rule I-4 which is common to more than one well, need be reported only once on the application.

CASING AND TUBING DATA

NAME OF STR	ING SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	9 5/8"	608	455		
Intermediate	-				
Production	7"	3692	760		
Tubing	3 1/2"	1875	Name -	Type - Depth of	Tubing Packer
Total Depth Geologic Name - Inj. Zone 3710 Green River		. Zone Depti	n - Top of Inj. Inter 2017	val Depth	Base of Inj. Interval

API NO.43-013-30388

PLEASE TYPE OR USE BLACK INK ONLY

COUNTY LEASE NO.

w	Room 4241 State Office Building Salt Lake City, Utah 84114 COUNTY Duchesnesec. 17 Twp. 3S Rge. 5W COMPANY OPERATING Gulf Oil Corporation OFFICE ADDRESS P. O. Box 2619 TOWN Casper STATE ZIP WY 82602 FARM NAME Saleratus Wash WELL NO. 2-17C5 DRILLING STATEED 07/18 19 75 DRILLING FINISHED 07/28 19 75								
.		S ocate Well Correctle		DATE OF FIRST WELL LOCATED 1266 FT.	PRODUCTION NE % S FROM SL OF % ERRICK FLOOR	N/A E ½ NI	co E _v , 1465	MPLETED	9/03/75 WLOF V. SEC
9	TYPE COMPLETION Single Zone X Multiple Zone Comingled								
				OIL OR	GAS ZONES				
	(Name	From	To		Name		From	To
		N/A							
				CASINO	G & CEMENT				
<u>-</u>		Car	sing Set		Csg. Test		C	ement	
	Size	Wgt.	Grade	Feet	Psi	Sax	Fillup	,	Тор
	5/8"	36# 23# 8	K-55	608	1000	455			
7"		23# 8 29#	N-80	3692		760			
								_	***************************************
								_	
EPT			1875			TOTAL DE	PTH	l 371	0
IOT	E. THE	S ECOM MILE	T AICO DE AT	TACHED WHEN	LEUDIC OLUCA				

(To be filed within 30 days after drilling is completed)

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

DIVISION OF OIL, GAS, AND MINING

COMPL	ETION & TEST DATA BY	PRODUCING FORMAT	3	
FORMATION	Green River			(.
SPACING & SPACING ORDER NO.	640 Acre			
CLASSIFICATION DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)	Disposal Well			
PERFORATED	2017-28	2303-26	3042-52	
	2063-70	2391-96	3206-30	
INTERVALS	2121-28	2784-94	3275-86	
	2140-56	2982-86		
ACIDIZED?	Yes			
FRACTURE TREATED?	No			
NITIAL TEST DATA				

Date	N/A			
Oil, bbl./day				
Oil Gravity				
Gas, Cu. Ft./day		CF	CF	CF
Gas-Oil Ratio Cu. Ft./Bbl.				
Water-Bbl./day				
Pumping or Flowing				
CHOKE SIZE				
FLOW TUBING PRESSURE				

A record of the formations drilled through, and pertinent remarks are presented on the reverse. (use reverse side)

I share-decidenced but the first of the state of the stat
l, the undersigned, being first duly sworn upon eath, state that this well record is true, correct and complete
according to the records of this office and to the best of my knowledge and belief.
arroganis to the records of this pitter dud to the best of MA KNOMINGER dud Petital

Telephone (307)

D. F. McHugo, Production Engineer

Subscribed and sworn before me this 23rd day of September 19 83

S 89° 42' W

X = Section Corners Located

PROJECT GULF OIL CORPORATION

Water Disposal Well location, located as shown in the SE 1/4 NE 1/4, Section 17, T3S, R5W, U.S.B.&M. Duchesne County, Utah.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR

REGISTRATION Nº 3154 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING P.O. BOX Q - 110 EAST - FIRST SOUTH VERNAL, UTAH - 84078

	SCALE " = 1000'	DATE 5 / 12 / 75			
cK.	PARTY M.S. D.A. D.G.	REFERENCES GLO Plat			
12	WEATHER Worm	FILE GILF OIL CORP			



Norman H. Bangerter, Governor Dee C. Hansen, Executive Director Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

October 15, 1987

Pennzoil Post Office Box 290 Neola, Utah 84053

Gentlemen:

Re: Testing of Water Disposal Wells for Mechanical Integrity

The Underground Injection Control (UIC) program, which the Division of Oil, Gas and Mining (DOGM) administers in Utah, requires all Class II injection wells demonstrate mechanical integrity. It has been policy of the Division to require pressure testing of all water disposal wells in accordance with Rule R615-5-3.1, Oil and Gas Conservation General Rules. This rule requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 200 psi. This test shall be performed at least every five year period beginning October, 1982.

Our records indicate that several of Pennzoil's water disposal wells are due for the second five-year mechanical integrity test. The Division is also requiring a radioactive tracer survey be run on the older disposal wells which are due for the second five-year test. The Division would like to schedule the pressure tests on the wells listed below for the week of November 9, 1987.

Previous Test	Well	Township	Range	Section
6-23-83 11-4-82 6-23-83 6-23-83 11-4-82 1-21-84	2-17C5 1-3A2 2-26A2 (optional) 2-28A2 (optional) 2-10B1 1-11A2 (optional)	3 South 1 South 1 South 1 South 2 South 1 South	5 West 2 West 2 West 2 West 1 West 2 West	17 3 26 28 10 11

The wells marked optional were tested more recently than the others. However, if Pennzoil desires, they could all be tested at this time and therefore be on similar testing schedules for the future. The results of the tracer surveys shall be sent to the Division within six months after the pressure tests are performed.

Page 2 Pennzoil October 15, 1987

Pennzoil shall furnish connections, accurate pressure gauges, hot oil truck (or other means of pressuring annulus), as well as personnel to open valves etc.

Please contact the undersigned to arrange a meeting time and place or discuss options if this plan is unacceptable to you.

Sincerely,

Gil Hunt

UIC Program Manager

mfp 0298U/24

Johnson, Verl 1-27A2 Kaye State 1-16 Lamicq Robertson 1-1B2 Lamicq Robertson 2-1B2 Lamicq Robertson 2-1B2 Lamicq 1-20A2 Lamicq-Robrtson/St. 1-1B2 Bluebell Blu	ne UT UT	
Kaye State 1-16 Lamicq Robertson 1-1B2 Lamicq Robertson 2-1B2 Lamicq Robertson 2-1B2 Bluebell 1 2S 2W Duches Lamicq 1-20A2 Bluebell 20 1S 2W Duches	ne UT UT	
Lamicq Robertson 1-1B2 Bluebell 27 1S 2W Duches Lamicq Robertson 2-1B2 Bluebell 1 2S 2W Duches Lamicq 1-20A2 Bluebell 20 1S 2W Duches	ne UT UT	
Lamicq Robertson 2-1B2 Bluebell 1 2S 2W Duches Lamicq 1-20A2 Bluebell 20 1S 2W Duches	ne UT	
Lamicq 1-20A2 Bluebell Lamicq-Robrtson/St. 1-1B2 Bluebell 1 29 Bluebell 1 29 Bluebell	ne UT ne UT ne UT ne UT ne UT UT ne UT	
Lamicg-Robrtson/St. 1-1B2 Bluebell 1 25 2W Duches	ne UT ne UT UT UT UT UT UT UT UT	
NO	ne UT ne UT ne UT ne UT UT	
Lamicq-Ute 1-5B2 Bluebell 5 2S 2W Duches	ne UT UT ne UT UT	
Lamicq, John/State 1-6B1 Bluebell 6 2S 1W Duches	UT ne UT UT	
Leota 1-34-2B Undesignated 34 7S 21E Uintah	ne UT UT	
Marguerite Ute 1-8B2 Bluebell 8 2S 2W Duches	UT	
May Ute Federal 1-13B1 Bluebell 13 2S 1W Uintah		
McElprang Ute 1-31A1 Bluebell 31 1S 1W Duches	ne UT	
Moon Tribal 1-30C4 Altamont 30 3S 4W Duches		
Morgan State 1-36 Natural Buttes 36 9S 21E Uintah		
Mortensen 2-32A2 Bluebell 32 1S 2W Duches		
Mortenson 1-32A2 Bluebell 32 1S 2W Duches		
Phillips Ute 1-3C5 Altamont 3 3S 5W Duches		
Rachel Jensen 1-16C5 Altamont 3 3S 5W Duches		
Rachel Jensen 2-16C5 Altamont 16 3S 5W Duches		
Reese Estate 1-10B2 Bluebell 10 2S 2W Duches		
Robertson Ute St. 1-12B1 Bluebell 12 2S 1W Duches		
Robertson Ute 1-2B2 Bluebell 12 2S 1W Duches		
Robertson Ute 2-2B2 Bluebell 2 2S 2W Duches		
Robertson 1-29A2 Bluebell 29 1S 2W Duches		
Saleratus, Wash Ute 1-7C5 Altamont 7 3S 5W Duches		
Shrine Hospital 1-10C5 Altamont 10 3S 5W Duches		
Smith Broadhead 1-9C5 Altamont 9 3S 5W Duches		
Smith-David Ute 1-6C5 Altamont 6 3S 5W Duches		
Smith, Albert 1-8C5 Altamont 8 3S 5W Duches		
Smith, Albert 2-8C5 Altamont 8 3S 5W Duches		
Smith, Joseph 1-17C5 Altamont 17 3S 5W Duches		
Smith, Joseph 2-17C5 Altamont 17 3S 5W Duches		
Smith, Ute 1-8C5 Altamont 18 3S 5W Duches		
Spring Hollow Un/Tr.4-36Z3 Bluebell 36 1N 3W Duches		
SpringHollow Un/Tr.2-34Z3 Altamont 34 IN 3W Duches		
State Lnd. Bd. Ute 1-35A1 Bluebell 35 1S 1W Uintah		
Taylor, Muriel 1-36A2 Bluebell 36 1S 2W Duches		
Todd USA State 1-2B1 Bluebell 2 2S 1W Uintah	UT	

06/27/85 leases gulf operated/file2

STATE OF UTAH

S	TATE OF UTAH	DECOURAGE	HIN	1 9	10
DEPARTMENT	OF NATURAL	RESOURCES	JUN	- 0	IJ

	5 (C)			
BCES.	JUN	13	1988	

DIVISION O	F OIL, GAS, AND MINING		MATION AND BERIAL NO.
SUNDRY NOTICES (Do not use this form for proposals to use "APPLICATION"	AND REPORTS ON WELL drill or to deepen or plug back to a differe FOR PERMIT—" for such proposals.)	5	LLOTTER OR TRIBE NAME
I. OFE GAS		7. UNIT AGREEM	EMAK THE
2. NAME OF OPERATOR Pennzoil Comp	Dany Utah Acct. # N0705	8. FARM OR LE. See Att	tached List
S, ADDRESS OF OPERATOR		9. WELL NO.	
P.U. BOX 296/ 4. LOCATION OF WELL (Report location clearly s	Houston, TX 77252-296		POOL, OR WILDCAT
See also space 17 below.) At surface See Attached L			
14. API NUMBER 15. 1	BLEVATIONS (Show whether DF, RT, GR, etc.)	12. countr on Duchesne	
16. Check Appropri	rate Box To Indicate Nature of Not	ice, Report, or Other Data	
NOTICE OF INTENTION TO):	SUBSEQUENT REPORT OF:	
	LE COMPLETE FRACTUR SHOUTIN PLANS (Other)	E TREATMENT ALTE	RING CASING DONMENT* Diction on Well Log form.)
	name from Pennzoil Company effective June 1, 1988. wells	OIL AND GAS DRN R. JRB GI	JF _H LS
18. I hereby certify that the foregoing is true, SIGNED / Ways . Jan filly (This space for Federal or State office use)	rjo TITLE Western Div.	Production Mgr. DATE	G -9-88 .



A Procter & Gamble Co.

P.O. BOX 1898

OFFICE: 214/872-3011

CORSICANA, TEXAS 75110

PLANT: 214/874-3706 (U.S.): 800/527-2510 TWX: 910/860-5100 (TX.) 800/442-6261

WATER ANALYSIS REPORT

COI	MPANY_	Pennzoil	Company			_ ADDRES	s <u>Neola</u> ,		DAT	E: <u>3-27-</u>	87
.		SALERAT	-us	0.1555							
so	URCE	Waste Water		2-17C5 ঠW জি	1 1 1 1	DATE SAM	1PLED3-26	5–87	_ ANALYSIS N	0	
			Analysia C D		85-17		N	ig/I (ppm)		*Meq/1	i
1.	PH			8.1							
2.	H ₂ S (C	Qualitative)		1.5							
3.	Specif	ic Gravity		1.006	<u> </u>						
4.	Dissol	ved Solids				-					
5.	Suspe	nded Solids				-	 				
6.	Anaer	obic Bacterial	Count			С/МІ					
7.	Methy	l Orange Alkali	nity (CaCO ₃)		_	980				
8.		onate (HCO ₃)				HCO ₃	1,196		÷61	20	HCO3
9.		des (CI)				CI.	2,478		÷35.5	70	Ci
10.		es (SO ₄)				SO4.	2,400	. <u></u>	÷48	50	SO4
11.		m (Ca)				Ca.	42		÷20	2	Ca
12.		esium (Mg)				Mg.	0		÷12.2	0	Мд
13.	•	Hardness (Ca	CO ₃)			_	90				
14.		Iron (Fe)	u			_	1.0				
15.		n (Qualitative)				_					
16.		hate Residuais									
	i equivalents		٠								
		, p		PR	OBABL		AL COMPOSI				
•							Compound Ca (HCO ₃) ₂	Equiv. Wt. 81.04	X Meq/I		Mg/l 162
Γ	_	Ca +		- нсо,	20	1 .	Ca SO4	68.07			
_	2	_			20	'	Ca Cl ₂	5 5.50			
	0	Mg		S O₄	50	1 I	Ag (HCO3)2	73.17			
-		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		_			fig SO4	60.19			
	138	Na		➤ CI	70	1	Ag Cl ₂	47.62			
_	Sat	uration Values	Disti	lied Water 2	20°C	-	la HCO3	84.00	18		512
		CO ₃		Mg/I			la ₂ SO ₄	71.03	50	3,	,552
		SO4 • 2H2O	2,090	_			ia C!	58.46	70	4,	,092
		CO ₃		Mg/l		·					
DEI	_										

DIVISION OF OIL, GAS AND MINING UNDERGROUND INJECTION CONTROL PROGRAM

INSPECTION REPORT

And the state of t

. SMITTER

/2	1,5/87 TIME: 10:00
DATE OF INSPECTION	15/87 TIME: 10:00
WELL NAME # 2-17CF	OPERATOR: fenneoi/
LEGAL DESCRIPTION:1	1/4 SEC. 17 T. 35 R. 520
DISPOSAL WELL	NHANCED RECOVERYOTHER
THRECTION PRESSURE	<i>[57]</i>
THOUSE CHART READING	ACCUMULATOR
INJECTION RATE	on pressured you to como posí
REMARKS: Hill Care	us pressured un To
and held for 13	mun' - pures
TONS .	
RECOMMENDATIONS:	
	TNSPECTOR



- Appelle	12:51 500	**		- 15
STATE OF UTAH DEPARTMENT OF NATURAL RESO	URCES	JUN	13	1988
DU/1010N OF OU DAG AND M	BILBLO			

Ì	DIVISION OF OIL, GAS, AND N	INING บางเรียวที	T T	IGNATION AND SERIAL NO.
	NOTICES AND REPORTS F proposals to drill or to deepen or plug APPLICATION FOR PERMIT—" for such			ALLOTTER OR TRIES NAME
I. ORL T GAS	•	· · · · · · · · · · · · · · · · · · ·	7. UNIT AGRE	EMANT MAME
	THEE		8. FARM OR L	EMAK SEAE.
Pennz	zoil Company Utah Acct	. # N0705	See At	ttached List
S. ADDRESS OF OPERATOR P.O.	Box 2967 Houston, TX	77252-2967	9. WELL NO.	
See also space 17 below.)	cation clearly and in accordance with an	y State requirements.*	10. FIELD AND	D POOL, OR WILDCAT
See At	ttached List of Wells		11, sec., T., 2	hell/Altamont M., OR BLE. AND
4- API NUMBER	15. BLEVATIONS (Show whether	DF, RT, QR, etc.)	12. COUNTY O Duchesne Uintah	e & Utah
e. Che	ck Appropriate Box To Indicate	Nature of Notice, Repor		
NOTICE O	F INTENTION TO:		SUBSEQUENT ESPORT OF	:
TEST WATER SHUT-OFF PRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other) Operator	PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON* CHANGE PLANS Name Change	WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZE (Other) (NOTE: Report Completion or leading to the completion of leading to	T AL:	TERING CASING ANDONMENT® mpletion on Well d Log form.)
Production (perator name from Pennzo Company, effective June d List of wells		nnzoil Explora	
			DRN	RJF
			JRB C	GLH
		 	DTS	SLS
•		. 1	JAS	4
		17	1112	
		l		
			O - MICROFILM	
			O - MICROFILM	
				V
18. I hereby certify that the fore	going is true and correct			
SIGNED / WYGE	San flippo TITLE Wes	stern Div. Product	tion Mgr. _{DATE} _	G-9-88
(This space for Federal or Si				
APPROVED BY	TITLE		DATE _	

SUNDRY NOTICE OF NAM ANGE

ENTITY NUMBER	LEASE NAME	LEGAL DESC.	API #	REMARKS	
			<u>.</u>		
ຼີ 5780	VIC BROWN 1-4A2	1S 2W 4	4301330011		
5785	UTE ALOTTED 1-36Z2	1N 2W 36	4301330307		
` 5790	HORROCKS 1-6A1	1S 1W 6	4301330390	•	
5795	J YACK 1-7A1	1S 1W 7	4301330018		
\$800	BASTAIN FEE #1	1S 1W 7	4301330026		
₹5805	CHASEL FLY DIAMOND 1-18A1	1S 1W 18	4301330030	_	
` 5810	STATE 3-18A1	1S 1W 18	4301330369		
\$5815	RG DYE 1-29Al	1S 1W 29	4301330271	WSTC	
\$5820	SUMMERALL 1-30 A1	1S 1W 30	4301330250		
5825	LL PACK 1-33A1	1S 1W 33	4301330261		
\^5835	UTE 11-6A2	1S 2W 6	4301330381		
\^5836	UTE 2-7A2	1S 2W 7	4301331009		
`5840	DOUG BROWN 1-4A2	1S 2W 4	4301330017		
` 5845	LAMICQ URRUTY 4-5A2	1S 2W 5	4301330347		-
`5850	UTE 1-7A2	1S 2W 7	4301330025		•
` 5855	LAMICQ URRUTY 2-9A2	1S 2W 9	4301330046	GREV V	
\5860	STATE 1-10A2	1S 2W 10	4301330006		
>5865	SPRGFIELD M/BK 1-10A2	1S 2W 10	4301330012		
`5870	L. BOREN 2-11A2	1S 2W 11	4301330277	_	
5875	KENDALL 1-12A2	1S 2W 12	4301330013		
5876	CLYDE MURRAY 1-2A2	1S 2W 2	4301330005	GRRY -	
\$ 5877	BLANCHARD 1-3A2	1S 2W 3	4301320316		
5880	OLSEN 1-12A2	1S 2W 12	4301330031		
` 5885	L.BOREN 1-14A2	1S 2W 14		GERV	•
> 5890	UTE 3-18A2	1S 2W 18	4301330125		
> 5895	UTE TRIBAL 4-19A2	1S 2W 19	4301330147		
> 5900	L. BOREN 5-22A2	1S 2W 22	4301330107		
\5905	L. BOREN 4-23A2	1S 2W 23	4301330115		
\5910	UTE TRIBAL 5-30A2	1S 2W 30	4301330169	WSTC	
\$5920	BECKSTEAD 1-30A3	1S 3W 30	4301330070	WSTCV	
5925	UTE TRIBAL 10-13A4	1S 4W 13	4301330301		
5930	KARL SHISLER 1-3B1	2S 1W 3	4301330249		
15935	C B HATCH 1-5B1	2S 1W 5	4301330226		
5940	NORLING 1-9B1	2S 1W 9	4301330315		
5945	H.G. COLTHARP 1-15B1	2S 1W 15	4301330359	•	
5950	GEORGE MURRAY 1-16B1	2S 1W 16	4301330297		
\$ 5960	EH BUZZI 1-11B2	2S 2W 11	4301330248	WSTC	
5965	DL GALLOWAY 1-14B2	2S 2W 14	4301330564		
5970	STATE PICKUP 1-6B1E	2S 1E 6	4304730169	WSTCV	
5975	LAMICQ URRUTY 1-8A2	1S 2W 8	4301330036		
9770	SMITH 1-14C5	3S 5W 14	4301330980		
9895	RACHEL JENSEN 2-16C5	3S 5W 16	4301330912		
10452	LAKEFORK 2-13B4	2S 4W 13	4301331134		
10615	HATCH 2-3B1	2S 1W 3	4301331147		
10616	NORLING 2-9B1	2S 1W 9	4301331151		
\10679	ROBERTSON 2-29A2	1S 2W 29	4301331150		
10753	SHAW 2-27A2	1S 2W 27	6201221106	- 1 [• 1	
\10764	LAMICQ URRUTY 4-17A2	1S 2W 17	4301331190	Dulg. WSTC Conf.	
10785		1S 2W 11	4301331192	n n e e	
10794	LAMICQ 2-20A2	1S 2W 20	4301331191	11 11 11 000	43-013-31203
	FRESTON 2-8B1	2S 1W 8	4301311203	CURRENTLY BEING DRILLED PA	75-013-21 200
	SALERATUS-WASH-1-17C5 SHD		4301399998	SALT WATER DISPOSAL WELL	43-013-30388-GARU
**	ANDERSON 2-28A2 SWD	1S 2W 28	430439999 2	SALT WATER DISPOSAL WELL	
					43-013-30346 UNTA

DEPARTMENT OF NATURAL RESOURCES



DIVISION OF OIL, GAS, AND MINING	5. LEASE DESIGNATION AND SERIAL NO.
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)	6. IF INDIAN, ALLOTTER OR TRIBE NAME
OIL GAB OTHER DISPOSAL WELL	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Pennzoil Exploration and Production Company	8. FARM OR LEASE NAME SWD
P. O. Box 2967 Houston, TX 77252	9. WELL NO. 2-17C5
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface	10. FIELD AND FOOL, OR WILDCAT Altamont
1374' FNL and 1174' FEL	Sec 17, T35, R5W
14. PERMIT NO. 30388-00 15. SLEVATIONS (Show whether DF, RT. GR. etc.) 5775 GR	Duchesne Utah
check Appropriate Box To Indicate Nature of Notice, Report, o	r Other Data
NOTICE OF INTENTION TO:	SEQUENT EXPORT OF:
TIST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF	REPAIRING WELL X
FRACTURE TREAT MULTIPLE COMPLETE FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE ABANDON* SHOOTING OR ACIDIZING	ABANDONMENT*
REPAIR WELL CHANGE PLANS (Other)	
(Other) (Note: Report res Completion or Reco	ults of multiple completion on Well mpletion Report and Log form.)
06/08/91: MI & RU pulling unit. 06/10/91: Released 7" Baker Model R packer at 1875' and POOH of the total packer. WIH with new Baker 7" Model R packer that the total packer at 1875' will compression and installed tree. Tested the compression and installed tree. Tested the compression and installed tree in 30 minutes. Unit and resumed normal disposal operations.	r on 2-7/8" th 10,000# s to 500 psi
NOTE: The purpose of this job was to repair a packer leak.	JUN 1 2 1991
Jess Dullnig Neola, Utah 06/11/91	DIVISION OF OIL GAS & MINING
18. I hereby certify that the foregoing is true and correct SIGNED	DATE 6-11-91
(This space for Federal or State office use)	
APPROVED BY TITLE	D A TIP
APPROVED BY TITLE TITLE	DATE

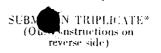


UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION VIII 999 18th STREET - SUITE 500 DENVER, COLORADO 80202-2405

MECHANICAL INTEGRITY PRESSURE TEST CASING/TUBING ANNULUS

Company Name:	NNZOIL EXPL.	AND PROD.	Co. Date:	7-17	7-91
Well Name: <u>Sale</u>	<u>ratus Washs</u>	WD 3-1705	Permit No.	43-0/3	99998-00
Field Name:	shell Altamor	<u>t</u>	County	: Duch	10 MD
Well Location:ن	40 2-1705	_ Sec_ <u>i7</u>	T >		R 5 W
Well Type: SWD S	WD ER	2H	Other:		
Type of Packer:	Arrowdell	7"	Total I	Depth:	3710
Packer Set at (d	epth): 1827	WIM	FT		
Surface Casing S	ize: <u>95/8"</u>		From: Suchace	FT t	0 <u>608'</u> FT
Casing Size:	it	Fro	om: Surface		
Tubing Size: 17	\Z''	Tubing Pr	essure durin	ng Test	: 500 #psig
Time of Day: 3.3	ai ai	m/pm>			F
	Test #1		Test #2		
3 ³⁰ 0 Min:	500	psig		psig	
. 5	498	psig		psig	
10	495	psig		psig	
15	493	psig		psig	
20	<u> 490</u>	psig		psig	
25	489	psig		psig	1666an
30	485	psig		psig	RECENTIVE
35	487	psig		psig	
40	481	psig		psig	JUL 2 2 1991
45	480	psig	· · · · · · · · · · · · · · · · · · ·	psig	DIVISION OF
50	480	psig		psig	OIL GAS & MINING
55	478	psig		psig	22 613 6673
60	475	psig		psig	
Test Conducted by		Fredian	- PENINZOI	<u>'</u>	
Inspected by:	rud Goodi	Mey - 1	POUL WELL SE	RUICIN	G
Others Present:		J			

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OUR GAS AND MINING



	DIVISION OF OIL, G	AS, AND MIN	ING	5. LEASE DESIGNATION	AND BERIAL NO.
SUND (Do not use this fo	DRY NOTICES AND FOR PERMIT OF THE PERMIT OF	REPORTS O	N WELLS ck to a different reservoir.	6. IF INDIAN, ALLOTTE	E OR TRIBE NAM
OIL GAS WELL WELL	OTHER DISPOSAL W	· · · · · · · · · · · · · · · · · · ·		7. UNIT AGREEMENT N	AME
2. NAME OF OPERATOR				8. FARM OR LEASE NA	KB
Pennzoil E	xploration and Product	ion Company		SWD	
	1007 HI TW	77050		9. WELL NO.	
4. LOCATION OF WELL (Rep	2967 Houston, TX port location clearly and in accord	//Z5Z	tate requirements	2-17C5	WILDOAT
See also space 17 below At surface	.)			Altamont	
				11. abc., T., R., M., OR	BLK. AND
	'4' FNL and 1174' FEL			Sec 17, T3S, I	R5 W
		how whether DF, R		12. COUNTY OR PARISH	
43-013-9	1338-00		5775 GR	Duchesne	Utah
16.	Check Appropriate Box T	o Indicate Na	ture of Notice, Report, o	r Other Data	
מסא	TICE OF INTENTION TO:	1		EQUENT REPORT OF:	
TIST WATER SHUT-OFF	PULL OR ALTER CASI	NG	WATER SHUT-OFF	REPAIRING	x
FRACTURE TREAT	MULTIPLE COMPLETE		FRACTURE TREATMENT	ALTERING C.	
SHOOT OR ACIDIZE	ABANDON*		SHOUTING OR ACIDIZING	ABANDONME	
REPAIR WELL	CHANGE PLANS		(Other)		
(Other)	OMPLETED OPERATIONS (Clearly stated is directionally drilled, give s		Completion or Reco	ilts of multiple completion mpletion Report and Log for	·m.)
	: WIH with 6-1/8" str csg at 984'. Ran mil mill. Set 7" Mountai 1827' on wireline. \ latched into pkr. Rer 2000# compression. schedule.	1 to 1866' w n States Arr VIH with sea noved BOP, i Tested tbg-	rith no restictions. Pow Drill permanent police of the control of	OOH with okrat of the and ded the in itached EPA	
NOTE: The	purpose of this job was	to repair a	packer leak.	DIVISION	
Jess Dullni Neola, Utah 07/18/91	•			OIL GAS & I	VINING
8. I hereby certify that the	e foregoing is true and correct	- 		······	
SIGNED Jev	1 Veelling	TITLE PETA	POLEUM ENGR.	DATE	»-91
(This space for Federal	or State office use)				
APPROVED BY	ROVAL, IF ANY:	TITLE		DATE	

STATE F UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING

6.	Lease designation and Serial Number
7.	Indian Allottee or Tribe Name
8.	Unit or Communitization Agreement

	7. Indian Allottee or Tribe Name
SUNDRY NOTICES AND REPORTS ON	WELLS
Do not use this form for proposals to drill new wells, deepen existing well, or to Use APPLICATION FOR PERMIT : for such pro	
1. Type of Well Oil Well Gas well Other (specify) Water Dispos	9. Well Name and Number SWD 2-17C5
Name of Operator Pennzoil Exploration and Production Company	10. API Well Number 30,788 43-013-99998-00
3. Address of Operator P.O. Box 290 Neola, Utah 8 4 0 5 3	4. Telephone 11. Field and Pool, or Wildcat 801-353-4397 Altamont
5. Location of Well Footage : 1374' FNL & 1174' FEL QQ, Sec, T., R., M. : Section 17, T3S, R5W	county : Duchesne state : Utah
12 CHECK APPROPRIATE BOXES TO INDICATE NAT	URE OF NOTICE, REPORT, OR OTHER DATA
NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Orginal Form Only)
Abandonment New Construction	Abandonment * New Construction
Casing Repair Pull or Alter Casing	Casing Repair Pull or Alter Casing
Change of Plans Recompletion	Change of Plans Shoot or Acidize
Conversion to Injection Shoot or Acidize	Conversion to Injection Vent or Flare
Fracture Treat Vent or Flare	Fracture Treat Water Shut-Off
Multiple Completion Water Shut-Off	Other
X Other Repair well	Date of Work Completion
Approximate Date Work Will Start 1-Aug-94	Report results of Multiple Completion and Recompletion to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form * Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface location and measured and true vertical depths for all markers and zones pertinent to this work.)

On 7-31-94, the tubing pressure appeared to communicate to the tbg-csg annulus (280 psi on both sides). Plan to pull tbg and repair possible tbg or packer leak. Verbal permission to begin this work granted 8-1-94 by Mr. Dan Jarvis (State of Utah, Salt Lake City) and Mr. Chuck Williams (EPA, Denver).

> Accepted by the State of Utah Division of Oil, Gas and Mining

Date: 8-3-94

14. I hereby certify that the for	egoing is true and correct		M = M = M				
Name & Signature	Jess Dullnig	Less	Lee Chuig	Title	Petroleum Engineer	Date	1-Aug-94

STATE F UTAH DEPARTMENT OF NATURAL RESOURCES

	Lease designation and Serial Number
i	7. Indian Allottee or Tribe Name
	8. Unit or Communitization Agreement
	9. Well Name and Number
	SWD 2-17C5
	10. API Well Number 30.3285
	43-013-99998-00
	11. Field and Pool, or Wildcat
397	Altamont
<i>r</i> :	Duchesne
:	Utah
r, or	OTHER DATA
	EQUENT REPORT mit Orginal Form Only)
(****	New Construction
	Pull or Alter Casing
	Shoot or Acidize
tion	Vent or Flare
	Water Shut-Off
well	
	4-Aug-94
	pletion to different reservoirs
ETION AN	ND LOG form report.
	rectionally drilled, give subsurface
	· · · ·
rv of ti	he job follows.
y 01 ti	no jou follows.
Arrow	Drill packer at 1827' and
ried o	il in tubing. WIH with 2-7/8"
	2-7/8" tubing,
	cting tubing to tree.
	. RD pulling unit.
	anhad Manhaniae I Internity
	lached Mechanical Integrity -94 by Mr. Dennis Ingram -
u 0-4-	on by wit. Defined ingrain -

	DIVISION OF OIL, GAS, AND MI	NING					
	7. Indian Allottee or Tribe Name						
Do not use this for	m for proposals to drill new wells, deepen existing well, or to Use APPLICATION FOR PERMIT - for such pro		8. Unit or Communitization Agreement				
1. Type of Well Oil Well	Gas well X Other (specify) Water Dispos	sal Well	9. Well Name and Number SWD 2-17C5				
	ration and Production Company		10. API Well Number 30388 43-013- <u>999</u> 98-00				
3. Address of Operator P.O. Box 290	Neola, Utah 8 4 0 5 3	4. Telephone 801-353-4397	11. Field and Pool, or Wildcat Altamont				
5. Location of Well Footage : QQ, Sec, T., R., M. :	1374' FNL & 1174' FEL Section 17, T3S, R5W	County : State :	Duchesne Utah				
12 CHECK AP	PROPRIATE BOXES TO INDICATE NAT	URE OF NOTICE, REPORT, OR	OTHER DATA				
	NOTICE OF INTENT (Submit in Duplicate)		EQUENT REPORT mit Orginal Form Only)				
Abandoni	ment New Construction	Abandonment *	New Construction				
Casing R	<u> </u>	Casing Repair	Pull or Alter Casing				
Change o	<u> </u>	Change of Plans	Shoot or Acidize				
	on to Injection Shoot or Acidize	Conversion to Injection	Vent or Flare				
Fracture		Fracture Treat	Water Shut-Off				
Multiple C	Completion	X Other Repair well					
Other _		Date of Work Completion	4-Aug-94				
Approximate Date W	/ork Will Start	Report results of Multiple Completion and Recompon WELL COMPLETION OR RECOMPLETION At Must be accompanied by a cement verification in	ND LOG form				
	D OR COMPLETED OPERATIONS (Clearly state all perline and true vertical depths for all markers and zones pertinent		ectionally drilled, give subsurface				
A workover to r	epair a tubing leak at the subject well was	initiated 8-2-94. A summary of the	he job follows.				
2-Aug-94	RU pulling unit and installed BOP. Stun POOH with 2-7/8" tubing.	g out of 7" Mountain States Arrow	Drill packer at 1827' and				
3-Aug-94 Attempted to hydrotest 2-7/8" tubing. Could not test due to film of dried oil in tubing. WIH with 2-7/8" tubing open ended. Flushed tubing with hot water and POOH. WIH with 2-7/8" tubing, hydrotesting to 9000 psi. Found leak in 2-7/8" by 3-1/2" crossover connecting tubing to tree. Repaired crossover, latched into packer, removed BOP and installed tree. RD pulling unit.							
4-Aug-94 Tested tubing-casing annulus to 1000 psi for 45 minutes, held OK (see attached Mechanical Integrity Test form). Verbal permission to resume disposal operations granted 8-4-94 by Mr. Dennis Ingram - Utah State Inspector, DOGM.							
AUG - 8 1994							
v. 0: 61. 01 3 6	CARMINERA LASSOCIATION						
 I hereby certify that the fore Name & Signature 	Jess Dullnig Jess Gulling	Title Petroleum Engin	eer Date 5-Aug-94				

Name & Signature (State Use Only)

...**Y**

Mechanical Integrity Test Casing/Annulus Pressure Test

Undergr Witness:/ Test conducte Others preser	cound Injection 999 18th Annu Aged by: To	on Control Street, Su Man Street Man Man T Hadlo	CK - PENNZ	8 / 4 / 9 5	7) 8-4-9 L Time 2!	45 am/p
	<u> </u>		6 5.W.D.#2	-/7C5EPA N	Tumber <u>UTO</u>	2720
	ALTAMO!					. 1
			// Section			ω _Range
Owner/Opera			XPLORATION A		1C/10/4 Co.	
	P.O. E	80X 290 1	VEOLA, UT 8	14053		
Time	Test #1		Test #2		Test #3	
0 min	1,000	_ psig		_ psig	***************************************	_ psig
5	1,000	-		_		
10	980	_		_		_
15	910	_		_		
20	950	_		_		_
25	940	_		_		
30 min	940			-		
35	938	_		-		<u></u>
40	938	_		• •		
45	936		Annual 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	_		_
50		_		_		_
55		···		-		
60 min		<u>.</u>				
Tubing press		psig		_ psig		_ psig
Result (circle)	Pass) Fa	il	Pass Fa	il	Pass Fa	il

See back of page for any additional comments & compliance followup.

Mechanical Integrity Test

Additional comments for mechanical integr	rity test
VERBAL PERMISSION TO RESUME D BY MR. DENNIS INGRAM - UTAH STA	ISPOSAL OPERATIONS GRANTED 8-4-94 ATE INSPECTOR, DOGM
Signature of EPA Witness	
OFFICE USE ONLY - COMPLIANCE FOLLOW Do you agree that the well passed, Transfer of ownership? [] Yes Change in operating status (comput	/failed the test? [] Yes [] No [] No NEW
Possible violation identified? [If YES - Followup initiated? [] Yes [] No

This is the back side of two sides.

[] Data Entry [] Compliance Staff [] 2nd Data Entry [] Hard Copy Filing

INSPECTION FORM 5

STATE OF UTAH DIVISION OF OIL GAS AND MINING

INJECTION WELL - INSPECTION RECORD

Well Name: SALERATUS #2-17C5 // Qtr/Qtr: NW/NE Section: 17	API Number: <u>43-013-30388</u> Township: <u>3S</u> Range: <u>5W</u>
Company Name: PENNZOIL	
Lease: State Fee_YES	FederalIndian
Inspector: <u>DENNIS L. INGRAM</u> Da	te: <u>3/4/99</u>
Injection Type:	
Disposal: WDW Enhanced Recovery	c:Other:
Injecting: YES	Shut-In:
Rate: 4249.6 (bpd) Tot	talizer:(bbls)
Gauges: Tubing: YES	
Casing: YES	Casing Pressure: 0 (psig)
Tubing Pressure: 400 (psig)	Housekeeping:FAIR
Equipment Condition: GOOD.	
COMMENTS: BARTON RECORDER HAS LASO HAS MURPHY SWITCH SET FOR HIG	H PRESSURE SHUT DOWN AT 1050

Operator: July	Well No. WDW # 2-1765
. 1)	12 Sec. 17 API# 43-013-30388
New Well Conversion Disposa	l Well X Enhanced Recovery Well
	YES NO
UIC Forms Completed	
Plat including Surface Owners and wells of available reco	
Schematic Diagram	
Fracture Information	
Pressure and Rate Control	
Adequate Geologic Information	<u> </u>
Fluid Source	Theornic watch
Analysis of Injection Fluid	Yes V No TDS 9380
Analysis of Water in Formatio to be injected into	n Yes No TDS 186207
Known USDW in area	Transa Depth 1720
Number of wells in area of re	view/ Prod/ P&A
	Water Inj
Aquifer Exemption	YesNA
Mechanical Integrity Test	Yes L No
	Date 6-23-83 Type 1000 PSI 10
Comments: Jajah Current (i Surface Botton 3692
	1.18 × 760 =897
Reviewed by:	897 X 6.65 20 =5969

ENTITY NUMBER	LEASE NAME	LEGAL DESC.	API #	REMARKS	
5780	VIC BROWN 1-4A2	1S 2W 4	4301330011		
5785	UTE ALOTTED 1-36Z2	IN 2W 36	4301330307	•	.c 2
5790	HORROCKS 1-6A1	1S 1W 6	4301330390		<i>53</i>
5795	J YACK 1-7A1	1S 1W 7	4301330018		
5800	BASTAIN FEE #1	1S 1W 7	4301330026		
5805	CHASEL FLY DIAMOND 1-18A1	1S 1W 18	4301330030	_	
5810	STATE 3-18A1	1S 1W 18	4301330369		
` 5815	RG DYE 1-29A1	1S 1W 29	4301330271	WSTC	
5820	SUMMERALL 1-30 A1	1S 1W 30	4301330250		
\ 5825	LL PACK 1-33A1	1S 1W 33	4301330261		
` 5835	UTE 11-6A2	1S 2W 6	4301330381		
\ 5836	UTE 2-7A2	1S 2W 7	4301331009		
`5840	DOUG BROWN 1-4A2	1S 2W 4	4301330017		
` 5845	LAMICQ URRUTY 4-5A2	1S 2W 5	4301330347	,	
5850	UTE 1-7A2	1S 2W 7	4301330025	Coall	•
5855	LAMICQ URRUTY 2-9A2	1S 2W 9	4301330046	6KKV -	
\5860	STATE 1-10A2	1S 2W 10	4301330006		
>5865	SPRGFIELD M/BK 1-10A2	1S 2W 10	4301330012		
`5870	L. BOREN 2-11A2	1S 2W 11	4301330277		
5875	KENDALL 1-12A2	1S 2W 12	4301330013 4301330005	GROVI	
5876	CLYDE MURRAY 1-2A2	1S 2W 2	4301320316	(:00)	
\$5877 5880	BLANCHARD 1-3A2	1S 2W 3	4301320316	BKKU /	
^ 5885	OLSEN 1-12A2 L.BOREN 1-14A2	1S 2W 12 1S 2W 14	4301330035	Cany	
5890	UTE 3-18A2	1S 2W 18	4301330125	- 6 E EV	
5895	UTE TRIBAL 4-19A2	1S 2W 19	4301330147		
5900	L. BOREN 5-22A2	1S 2W 22	4301330107		
\ 5905	L. BOREN 4-23A2	1S 2W 23	4301330115		
\5910	UTE TRIBAL 5-30A2	1S 2W 30	4301330169	WSTC	
\$5920	BECKSTEAD 1-30A3	1S 3W 30	4301330070	WSTC	
5925	UTE TRIBAL 10-13A4	1S 4W 13	4301330301		
5930	KARL SHISLER 1-3B1	2S 1W 3	4301330249		
15935	C B HATCH 1-5B1	2S 1W 5	4301330226		
\5940	NORLING 1-9B1	2S 1W 9	4301330315		
5945	H.G. COLTHARP 1-15B1	2S 1W 15	4301330359		
5950	GEORGE MURRAY 1-16B1	2S 1W 16	4301330297		
₹5960	EH BUZZI 1-11B2	2S 2W 11	4301330248	WSTCV	
5965	DL GALLOWAY 1-14B2	2S 2W 14	4301330564		
`5970	STATE PICKUP 1-6B1E	2S 1E 6	<u>4304730169</u>	WSTCL	
5975	LAMICQ URRUTY 1-8A2	1S 2W 8	4301330036		
9770	SMITH 1-14C5	3S 5W 14	4301330980		
9895	RACHEL JENSEN 2-16C5	3S 5W 16	4301330912		
10452	LAKEFORK 2-13B4	2S 4W 13	4301331134		
10615	HATCH 2-3B1	2S 1W 3	4301331147		
10616	NORLING 2-9B1	2S 1W 9	4301331151		
10679	ROBERTSON 2-29A2	1S 2W 29	4301331150		
10753	SHAW 2-27A2	1S 2W 27	4301331184	Oula WISTC Cont	
\10764 \10785	LAMICQ URRUTY 4-17A2 BOREN 3-11A2	1S 2W 17 1S 2W 11	4301331190	Dulg. WSTC Conf.	
`10785 `10794	LAMICQ 2-20A2	15 2W 11 1S 2W 20	4301331192		v
_	FRESTON 2-8B1	2S 1W 8	43013 3 1191	CURRENTLY BEING DRILLED OFA	43-013-31203
	SALERATUS WASH 1=17C5 SWD		4301399998	SALT WATER DISPOSAL WELL	43-013-30388-GARU
	ANDERSON 2-28A2 SHD	1S 2W 28	430439999 2	SALT WATER DISPOSAL WELL	
		•			43-013-30346 UNTA

PENNZENERGY

P. O. Box 5519 Vienna, West Virginia 26105-5519 (304) 480-2201 Fax (304) 480-2239

Michael G. Kirsch Senior Landman Land Department

July 30, 1999

Ms. Kristen Risbeck State of Utah Division of Oil, Gas & Minerals 1594 West N. Temple # 1210 Salt Lake City, UT 84114-5801

Dear Ms. Risbeck:

Re: PennzEnergy Company Bluebell-Altamont Field

Duchesne and Uintah Counties, Utah

Pursuant to our telephone conversation last month, enclosed are completed Transfer of Authority to Inject forms that transfer the following six saltwater disposal wells into PennzEnergy Company.

PZE LEASE NO.	WELL NAME	<u>API NO.</u>
73336-00	Timothy 2-10B1 (swd)	43-013- 43013- 30367
73332-00	Hamblin 2-26A2 (swd)	43-013-30389
73331-00	Dillman 2-28A2 (swd)	43-013-30346
73333-00	`Blanchard 1-3A2 (swd)	43-013- 30005 - <i>3002</i> /
73334-00	Boren 4-11A2 (swd)	43-013-20255
73330-00	`Saleratus 2-17C5 (swd)	43-013-30388

Please advise this office if you need any additional information relative to above matter.

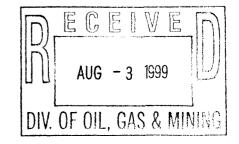
Yours very truly,

Michael G. Kirsch

Enclosures

cc: Craig Goodrich (w/ enclosure)
Jo Carol Moon (w/ enclosure)

bluebell/letters/Utah St SWD.doc



STATE OF UTAH DIVISION OF OIL, GAS AND MINING

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Hell name and number: Saleratus 2	-17C5 (SWD)
Field or Unit name:Bluebell Field	API no. 43-013-30388
Well location: QQ SENE section 17 towns	ship <u>3S</u> range <u>5W</u> county <u>Duchesne</u>
Effective Date of Transfer: 12/30/98	_
CURRENT OPERATOR	
Transfer approved by:	
Name <u>Michael McCown</u>	Company Pennzoil Company
Signature Michael McGom	Address P. O. Box 5519
TitleAttorney-in-Fact	Vienna, WV 26105
Date7/16/99	Phone (304) 480-2201
Comments:	
NEW ACCUSAGE	•
NEW OPERATOR	
Transfer approved by:	
Name Michael McCown	Company PennzEnergy Company
Signature McCael McCom	Address P. O. Box 5519
Title <u>Attorney-in-Fact</u>	Vienna, WV 26105
Date7/16/99 ·	Phone (304) 480-2201
Comments:	
(State use only) Transfer approved by Sunt	Title Ed. Santas Manigge V E
Approval Date 8/9/99	
	DIV. OF OIL, GAS & MINING
	IDIV UT UIL, GAO & MIRMIN

Division of Oil, Ga	s and Mining	•		•		ROU	TING:	
er and an area	NOT WODIGH			-			CH/	4-KAS L
OPERATOR CHA	INGE WORKSH	ŒŒT					y	5-SJ
Check each listed item wh	nen completed. Write N	I/A if item is not applicable	2.			3-JL	Т	6-FILE
Change of Opera	tor (Well Sold)	☐ Designat	ion of Agent					
☐ Operator Name	Change Only	X Transf	er of Authority	to Injec	et			,
The operator of the	well(s) listed belo	w has changed, effe	ctive: <u>8-9-99</u>			:: <u>, </u>		
TO:(New Operator)) DENINGENIED CV	an Duce	FROM:(Old (Onorato	r) DEMI	NIZOII C	'^\	v
Address:	P. O BOX 5519	myung	Addre	-	<i>,</i> —	OX 4616		<u> </u>
Address.	Vienna, WV 2610	05-5519	Addre	35.			7721-46	16
	Vicinia, VV 201	00 0019			11000	1011, 11	7,721 10	
	Phone: 1-(304)-4	180-2201			Phone	: 1-(713)	-546-6590	
	Account No						N070	
WELL(S):	CA Nos.	or			Unit		·	
,						- 04777		
Name: <u>TIMOTHY 2-10</u> Name: <u>DILLMAN 2-28</u> A		API: <u>43-013-30367</u> API: <u>43-013-30346</u>	Entity: <u>99990</u> Entity: 99990	S <u>10</u> S 28			_Lease: <u>F</u> Lease: <u>F</u>	
Name: BLANCHARD 1-		API: 43-013-30021	Entity: 99990	S 03			Lease: F	
Name: SALERATUS 2-1	7C5 (SWD) A	API: 43-013-30388	Entity: <u>99990</u>	S <u>17</u>	T 03S		Lease: I	
Name:		.PI:	Entity:	S	T	R	_Lease:	
Name:		API:	Entity:	S	T	R	_Lease:	
Name:	A	API:	Entity:	S	T	R	Lease:	
OPERATOR CHA	NGE DOCUME	NTATION						
YES 1. A per	nding operator cha	ange file has been set	up.					
<u>YES</u> 2. (R64)	9-8-10) Sundry or o	ther legal documentat	ion has been rece	ived fror	n the F (ORMER	coperator	on <u>8-3-99</u>
<u>YES</u> 3. (R64)	9-8-10) Sundry or o	ther legal documentat	ion has been rece	ived fror	n the NI	E W oper	ator on _	8-3-99
if the Yes/I	new operator above	een looked up in the D e is not currently oper any file number is <u>0</u>	ating any wells in	Utah. I	s the ope	erator re	gistered v	with the Stat
		ase Wells. The BLM d above involving Fed	_	_	_		-	-
		its. The BLM or the I rations on			essor of	unit ope	erator for	all wells lis

change for all wells listed above involved in the CA on ______.

<u>N/A</u> 7.

Federal and Indian Communitization Agreements ("CA"). The BLM or the BIA has approved the operator



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155

RECEIVED

PEB 17 2000

DIVISION OF
OIL, GAS AND MINING

In Reply Refer To: 3106 U-0575A et al (UT-932) FEB 1 6 2000

NOTICE

Devon Energy Production Company L.P. 20 North Broadway, Suite 1500 Oklahoma City, Oklahoma 73102-8260

Oil and Gas U-0575A et al

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of Devon Energy Corporation (Nevada) and PennzEnergy Exploration and Production Company, L.L.C. into Devon Energy Production Company, L.P. with that company being the surviving entity.

The oil and gas lease files listed on the enclosed exhibit have been noted as to the merger. The exhibit was compiled from your list of leases, and a list of leases obtained from our computer system. We have not attempted to identify leases where the entities are the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the merger by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

PennzEnergy Company assigned 100 percent of the record title interest, in the following leases on the list submitted by Devon Energy Production Company L.P., to Barrett Resources Corporation (Barrett) effective January 1, 2000.

U-0143511

U-4377

UTU-67943

U-0143512

U-4378

Subsequently, Barrett assigned 100 percent of the record title interest to Coastal Oil & Gas Corporation effective February 1, 2000. A copy of this notice is being placed in these files to cover any overriding royalty interest that would be held by the surviving entity.

Lease U-0115614A is held 100 percent by Flying J Oil & Gas. PennzEnergy Company holds 100 percent of the record title interest in lease U-3575. No record title assignment assigning the interest to PennzEnergy Exploration and Production Company, L.L.C. has been filed in this office. A copy of this notice will be placed in the lease files to cover any overriding royalty interest that would be held by the surviving entity.

Leases U-61343, UTU-64532, UTU-66485 and UTU-75200 have expired and are closed on the records of this office.

An assumption rider for BLM Bond No. CO1104 has been filed in the Colorado State Office.

/s/ Robert Lopez

Robert Lopez Chief, Branch of Minerals Adjudication

Enclosure

Exhibit

cc: Vernal Field Office (w/encl.)

Moab Field Office (w/encl.)

MMS, Reference Data Branch, MS3130, P.O. Box 5860, Denver, CO 80217 (w/encl.) State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210), Box 145801, SLC, UT (w/encl.)

Teresa Thompson (UT-931) (w/encl.) Irene Anderson (UT-932) (w/encl.) LaVerne Steah (UT-942) (w/encl.)

Exhibit of Leases

U-0575A	U-0141459	U-4377
	· · · · -	4 . .
U-01188B	U-0143511	U-4378
U-016654	U-0143512	U-16131
U-0115614A	U-0144868A	U-31262
U-0115615	U-3099	U-44426
U-0126825	U-3575	UTU-67943
U-0141454	i ITI I-74888	

Communitization Agreements

U-58774	U-58835	U-60827
U-58799	U-58839	U-60831
U-58830	U-58844	U-68998
U-58834	U-58854	

Devon Energy Production Company, L.P.

FILED

DEC 3 0 1999

Certificate of Merger

OKLAHOMA SECRETARY OF STATE

TO:

The Oklahoma Secretary of State

101 State Capitol

Oklahoma City, Oklahoma 73105

Devon Energy Production Company, L.P., a limited partnership organized under the laws of the State of Oklahoma, for the purpose of filing a Certificate of Merger pursuant to the provisions of 54 O.S. § 310.1, does hereby execute the following Certificate of Merger:

The name and jurisdiction of formation or organization of each of a domestic limited partnership, a foreign corporation and a foreign limited liability company which are to merge are:

Name of Organization	Type of Organization	Jurisdiction of <u>Formation</u>
Devon Energy Production Company, L.P.	Limited Partnership	Oklahoma
Devon Energy Corporation (Nevada)	Corporation	Nevada
PennzEnergy Exploration and Production Company, L.L.C.	Limited Liability Company	Delaware

- An Agreement of Merger has been approved and executed by the limited partnership, the corporation and the limited liability company which are to merge.
 - 3. The name of the surviving or resulting limited partnership is:

Devon Energy Production Company, L.P.

- The merger shall be effective upon the filing of this Certificate of Merger with the Secretary of State of Oklahoma.
- The Agreement of Merger is on file at the place of business of the surviving limited partnership at 1500 Mid-America Tower, 20 North Broadway, Oklahoma City, Oklahoma 73102.
- A copy of the Agreement of Merger shall be furnished by the surviving or resulting limited partnership, upon request and without cost, to any partner of any limited partnership or any person holding an interest in any other business entity which is to merge

MAR 13 2000

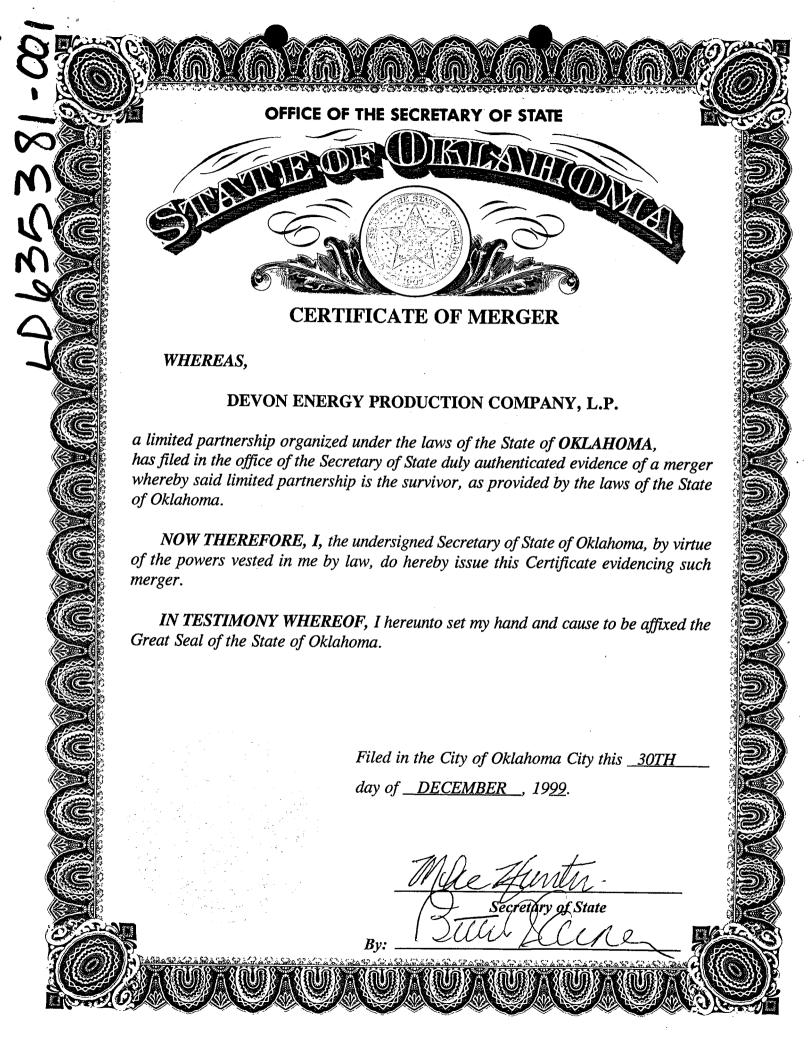
DIVISION OF OIL, GAS AND MINING DATED as of the 30th day of December, 1999.

Devon Energy Management Company, L.L.C. General Partner

RECEIVED

MAR 1 3 2000

DIVISION OF OIL, GAS AND MINING



DEVON ENERGY PRODUCTION COMPANY, L.P. UTAH PROPERTIES

						LEASE NO./
	API NO.	WELL NAME & NO.	LOCATION	COUNTY	FIELD NAME_	AGREEMENT NO.
82	4304730164	ROBERTSON UTE ST 1-12B1	SWNE-12-2S-1W	UNITAH	BLUEBELL	96101
83	4304730176	MAY UTE FEDERAL 1-13B1	NWSE-13-2S-1W	UNITAH	BLUEBELL	NW673
84	4304731981	COOK 1-26B1	SWSW-26-2S-1W	UNITAH	BLUEBELL	UTU68998
85	4304732178	CHRISTIANSEN 2-12B1	SWSE-12-2S-1W	UNITAH	BLUEBELL	96101
86	4304732351	BALLARD 2-15B1	SENE-15-2S-1W	UNITAH	BLUEBELL	
7	4304732744	RICH 2-13B1	NWNW-13-2S-1W	UNITAH	BLUEBELL	NW673
88	4301320255	SWD 4-11A2	NWNW-11-1S-2W	DUCHESNE	BLUEBELL	96107
89	4301330021	SWD 1-3A2	SESE-3-1S-2W	DUCHESNE	BLUEBELL	
90	4301330346	SWD 2-28A2	NWSE-28-1S-2W	DUCHESNE	BLUEBELL	
91	4301330367	SWD 2-10B1	NWNW-10-2S-1W	DUCHESNE	BLUEBELL	
92	4301330389	SWD 2-26A2	NESW-26-1S-2W	DUCHESNE	BLUEBELL	
93	4301330388	SWD 2-17C5	SENE-17-3S-5W	DUCHESNE	BLUEBELL	

RECEIVED

APR 20 2000

DIVISION OF OIL, GAS AND MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155

In Reply Refer To: 3100 U-0115615 et al (UT-932)

MAR 2 6 1999

NOTICE

PennzEnergy Company P.O. Box 2967 Houston, TX 77252-2967

Oil and Gas

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of PennzEnergy Company into Pennzenergy Company being the surviving entity.

For our purposes, the merger is recognized effective December 30, 1998, (Secretary of State's approval date).

The oil and gas lease files and communitization agreement computer files identified on the enclosed exhibit have been noted as to the merger. The exhibit was compiled from a list of leases obtained from our Automated Land and Mineral Record System (ALMRS). We have not abstracted the lease files to determine if the entity affected by the merger holds an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

By recognition of the merger, the principal/obligor is automatically changed by operation of law from Pennzoil Company to PennzEnergy Company on Bond No. 8134-90-99 (BLM Bond No. NM2142).

PENL & COLLEGE

Irene J. Anderson Acting Group Leader, Minerals Adjudication Group

Enclosure

Exhibit

cc:

Moab Field Office Vernal Field Office

MMS, Reference Data Branch. MS 3130, Box 5860, Denver, CO 80217

State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210), Box 145801, SLC, UT 84114-5801

Teresa Thompson (UT-931)



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155

In Reply Refer To: 3100 U-4377 UTU-66485 (UT-932)

MAR 2 6 1999

NOTICE

PennzEnergy Exploration and Production L.L.C. P.O. Box 2967 Houston, TX 77252-2967

Oil and Gas

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of Pennzoil Exploration and Production Company into PennzEnergy Exploration and Production L.L.C. with PennzEnergy Exploration and Production L.L.C. being the surviving entity.

For our purposes, the merger is recognized effective December 28, 1998, (Secretary of State's approval date).

Oil and gas lease files U-4377 and UTU-66485 have been noted as to the merger. The lease file numbers were obtained from a list of leases drawn from our Automated Land and Mineral Record System (ALMRS). We have not abstracted the lease files to determine if the entity affected by the merger holds an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

By recognition of the merger, the principal/obligor is automatically changed by operation of law from Pennzoil Exploration and Production Company to PennzEnergy Exploration and Production L.L.C. on Bond No. 8023 29 91 (BLM Bond No. NM0043). The principal/obligor is also automatically changed from Pennzoil Exploration and Production Company to PennzEnergy Exploration and Production L.L.C. on Bond No. 8134-90-99 (BLM Bond No. NM2142).

IRENUL, MOGRECON

Irene J. Anderson Acting Group Leader, Minerals Adjudication Group

cc:

Moab Field Office Vernal Field Office

MMS, Reference Data Branch, MS 3130, Box 5860, Denver, CO 80217 State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210), Box 145801, SLC, UT 84114-5801

Teresa Thompson (UT-931)

 	DESIGNATION	OF AGENT	OR OPERATOR
The under	signed is, on record, the holder of oil and ga	as lease	
LEASE I	NAME: As per the attached spre	adsheet.	
LEASE I	NUMBER:	•	
and hereby	designates		
NAME:	Devon Energy Production Compan	y, L.P.	
ADDRES	S: 20 North Broadway, Suite 15	00, Oklahoma	City, OK 73102-8260
compliance	nereto and on whom the Division Director o	or Authorized Ac	omplying with the terms of the lease and regulations ent may serve written or oral instructions in securing dural Rules of the Board of Oil, Gas and Mining of the
i	to which this designation is applicable, and identify each applicable of	and gas well by same and i	VPI number. Attach additional pages as needed.)
See	attached spreadsheet.		
Note	: Please use April 1, 2000 as th	ne starting d	late for production reporting purposes.
		R	ECEIVED
			APR 2 0 2000
		Oli	DIVISION OF L, GAS AND MINING
of the lease a State of Utah. In the lease. In case of defease terms o	nd the Oil and Gas Conservation General Ri It is also understood that this designation o	ules and Proceding agent or operater or operater or operater or the lessee of the State of the S	
ifective Date	of Designation: January 1, 2000		
Y: (Name)	R. D. Glark	OF: (Company)	PennzEnergy Exploration and Production Company, L.L.C.
(Signature)	- NOCC	(Address)	20 North Broadway, Suite 1500
(Title)	Vice President		Oklahoma City, OK 73102-8260
(Phone)	405-235-3611	,	

STATE OF UTAH
DIVISION OF DIL, GAS AND HINING



TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

OIL, CAS AND MINING

Hell name and number: SWD 2-17C5	
Field or Unit name: Bluebell	API no. 43-013-30388
Hell location: QQ <u>SENE</u> section <u>17</u> tour	iship <u>3S</u> range <u>5W</u> county <u>Duchesne</u>
Effective Date of Transfer: January 1,	<u>2</u> 000
CURRENT OPERATOR	
Transfer approved by:	
Name R. D. Clark Signature	Company PennzEnergy Exploration and Production Company, L.L.C. Address 20 North Broadway, Suite 1500
Title Vice President	Oklahoma City, OK 73102-8260
Date 4-17-00	Phone (405) 235-3611
Comments: Please use April 1, 2000 as reporting purposes. NEH OPERATOR	
Transfer approved by:	
Name Rich K. McClanahan Signature Mill K. MFCh	Company Devon Energy Production Company, L.P. Address 20 North Broadway, Suite 1500
Title District Operations Supervisor	Oklahoma City, OK 73102-8260
Title District Operations Supervisor Date 4-17-00	Oklahoma City, OK 73102-8260 Phone (405) 235-3611
Date 4-17-00	
Date <u>4-17-00</u> Comments: Please use April 1, 2000 as	Phone (405) 235-3611

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING	
1. GLH 🗸	4-KAS
2. CDW	5-11
3. JLT	6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

X Merger

NAME NO. NO. RNG TYPE TYPE SWD 1-3A2 43-013-30021 99990 03-01S-02W FEE WD 4 SWD 4-11A2 43-013-20255 99990 11-01S-02W FEE WD 4 SWD 2-26A2 43-013-30346 99990 26-01S-02W FEE WD 4 SWD 2-10B1 43-013-30346 99990 10-02S-01W FEE WD 4 SWD 2-17C5 43-013-30367 99990 17-03S-05W FEE WD 4 OPERATOR CHANGES DOCUMENTATION 1. (R649-8-10) Sundry or legal documentation was received from the FORMER operator on: 04/20/2000 04/20/2000 2. (R649-8-10) Sundry or legal documentation was received from the NEW operator on: 04/20/2000 04/20/2000 3. The new company has been checked through the Department of Commerce, Division of Corporations Database on: 1 4. Is the new operator registered in the State of Utah: YES Business Number: 4549132-0143 5. If NO, the operator was contacted contacted on: 11 PA				_	0	4-1-2000	:	rator of the well(s) listed below has changed, effective	The
Address P. O. BOX 4616					ew Operator):	TO: (Ne		(: (Old Operator):	FR
OKLAHOMA CITY, OK 73102-8260		. L. <u>C.</u>	CO L. L.	L & PROD C	ENERGY EXPI	DEVON E		ENERGY COMPANY	PEN
HOUSTON, TX 77210-4616 Phone: 1-(713)-546-6590 Account No. N4945 N4945 N4945 N4945 N5 N6 N6 N6 N6 N7 N7 N7 N7)	∃ 1500	Y STE 1.	BROADWAY	20 NORTH B	Address		P. O. BOX 4616	Add
Phone: 1-(713)-546-6590			<u> </u>				-		
Account No. N4945 Account N1275 Account N1275 Account N1275 Account No. N4945 Account N1275 Account N1275 Account N1275 Accoun			50				-		
No. No. No. RNG TYPE TYPE				3611			_		
NAME NO. NO. RNG TYPE TYPE					N1275	Account_	_	No. N4945	Acc
NAME NO. NO. RNG TYPE TYPE					·	Unit:		CA No	
NAME NO. NO. RNG TYPE TYPE	-					<u> </u>			wi
NO. NO. RNG TYPE TYPE	VELL	LL V	WELL	LEASE	SEC. TWN	ENTITY	API		
SWD 1-3A2	STATUS								NAI
SWD 4-11A2			WD				43-013-30021	3A2	
SWD 2-26A2									
SWD 2-10B1 SWD 2-10B1 43-013-30367 99990 10-02S-01W FEE WD A 3-013-30388 99990 17-03S-05W FEE WD A 3-013-30388 PSPPP OPERATOR CHANGES DOCUMENTATION 1. (R649-8-10) Sundry or legal documentation was received from the FORMER operator on: (R649-8-10) Sundry or legal documentation was received from the NEW operator on: (R649-8-10) Sundry or legal documentation was received from the NEW operator on: (R649-8-10) Sundry or legal documentation was received from the NEW operator on: (R649-8-10) Sundry or legal documentation was received from the NEW operator on: (R649-8-10) Sundry or legal documentation was received from the NEW operator on: (R649-8-10) Sundry or legal documentation was received from the NEW operator on: (R649-8-10) Sundry or legal documentation was received from the NEW operator on: (R649-8-10) Sundry or legal documentation was received from the NEW operator on: (R649-8-10) Sundry or legal documentation was received from the NEW operator on: (R649-8-10) Sundry or legal documentation was received from the NEW operator on: (R649-8-10) Sundry or legal documentation was received from the NEW operator on: (R649-8-10) Sundry or legal documentation was received from the NEW operator on: (R649-8-10) Sundry or legal documentation was received from the NEW operator on: (R649-8-10) Sundry or legal documentation was received from the NEW operator on: (R649-8-10) Sundry or legal documentation was received from the NEW operator on: (R649-8-10) Sundry or legal documentation was received from the NEW operator on: (R649-8-10) Sundry or legal documentation was received from the NEW operator on: (R649-8-10) Sundry or legal documentation was received from the NEW operator on: (R649-8-10) Sundry or legal documentation was received from the NEW operator on: (R649-8-10) Sundry or legal documentation was received from the NEW operator on: (R649-8-10) Sundry or legal documentation was received from the NEW operator on: (R649-8-10) Sundry or legal documentation was received from the NEW opera	1	A	WD	FEE	26-01S-02W	99990	43-013-30389		
A3-013-30388 99990 17-03S-05W FEE WD ADDERATOR CHANGES DOCUMENTATION 1. (R649-8-10) Sundry or legal documentation was received from the FORMER operator on: 04/20/2000 2. (R649-8-10) Sundry or legal documentation was received from the NEW operator on: 04/20/2000 3. The new company has been checked through the Department of Commerce, Division of Corporations Database on: 1 4. Is the new operator registered in the State of Utah: YES Business Number: 4549132-0143 5. If NO, the operator was contacted contacted on: 6. Federal and Indian Lease Wells: The BLM and or the BIA has approved the (merger, name change,	1	A	WD	FEE	28-01S-02W	99990	43-013-30346	28A2	SWI
OPERATOR CHANGES DOCUMENTATION 1. (R649-8-10) Sundry or legal documentation was received from the FORMER operator on: O4/20/2000 2. (R649-8-10) Sundry or legal documentation was received from the NEW operator on: O4/20/2000 3. The new company has been checked through the Department of Commerce, Division of Corporations Database on: 4. Is the new operator registered in the State of Utah: YES Business Number: 4549132-0143 5. If NO, the operator was contacted contacted on: 6. Federal and Indian Lease Wells: The BLM and or the BIA has approved the (merger, name change,	1	A	WD	FEE	10-02S-01W	99990	43-013-30367	0B1	SWI
 (R649-8-10) Sundry or legal documentation was received from the FORMER operator on: 04/20/2000 (R649-8-10) Sundry or legal documentation was received from the NEW operator on: 04/20/2000 The new company has been checked through the Department of Commerce, Division of Corporations Database on: 1 Is the new operator registered in the State of Utah: YES Business Number: 4549132-0143 If NO, the operator was contacted contacted on: Federal and Indian Lease Wells: The BLM and or the BIA has approved the (merger, name change, 	1	A	WD	FEE	17-03S-05W	99990	43-013-30388	7C5	SWI
 (R649-8-10) Sundry or legal documentation was received from the FORMER operator on: 04/20/2000 (R649-8-10) Sundry or legal documentation was received from the NEW operator on: 04/20/2000 The new company has been checked through the Department of Commerce, Division of Corporations Database on: 1 Is the new operator registered in the State of Utah: YES Business Number: 4549132-0143 If NO, the operator was contacted contacted on: Federal and Indian Lease Wells: The BLM and or the BIA has approved the (merger, name change, 									
 (R649-8-10) Sundry or legal documentation was received from the FORMER operator on: 04/20/2000 (R649-8-10) Sundry or legal documentation was received from the NEW operator on: 04/20/2000 The new company has been checked through the Department of Commerce, Division of Corporations Database on: 1 Is the new operator registered in the State of Utah: YES Business Number: 4549132-0143 If NO, the operator was contacted contacted on: Federal and Indian Lease Wells: The BLM and or the BIA has approved the (merger, name change, 									
 (R649-8-10) Sundry or legal documentation was received from the FORMER operator on: 04/20/2000 (R649-8-10) Sundry or legal documentation was received from the NEW operator on: 04/20/2000 The new company has been checked through the Department of Commerce, Division of Corporations Database on: 1 Is the new operator registered in the State of Utah: YES Business Number: 4549132-0143 If NO, the operator was contacted contacted on: Federal and Indian Lease Wells: The BLM and or the BIA has approved the (merger, name change, 					<u> </u>		<u> </u>	A TOO CALL MOVE TO CALL TOWN A THON	
 (R649-8-10) Sundry or legal documentation was received from the NEW operator on: 04/20/2000 The new company has been checked through the Department of Commerce, Division of Corporations Database on: 1 Is the new operator registered in the State of Utah: YES Business Number: 4549132-0143 If NO, the operator was contacted contacted on: Federal and Indian Lease Wells: The BLM and or the BIA has approved the (merger, name change, 								ATOR CHANGES DOCUMENTATION	OP
 (R649-8-10) Sundry or legal documentation was received from the NEW operator on: 04/20/2000 The new company has been checked through the Department of Commerce, Division of Corporations Database on: 1 Is the new operator registered in the State of Utah: YES Business Number: 4549132-0143 If NO, the operator was contacted contacted on: Federal and Indian Lease Wells: The BLM and or the BIA has approved the (merger, name change,)	04/20/2000	r on:	E R onerator	from the FORM	9-8-10) Sundry or legal documentation was received	1
3. The new company has been checked through the Department of Commerce, Division of Corporations Database on: 4. Is the new operator registered in the State of Utah: YES Business Number: 4549132-0143 5. If NO, the operator was contacted contacted on: 6. Federal and Indian Lease Wells: The BLM and or the BIA has approved the (merger, name change,			<u></u>	0 11 20 12 0 0 0	1 011.	oporator		5 of 10) Sundry of logar documentation was received	1.
 The new company has been checked through the Department of Commerce, Division of Corporations Database on: 1 Is the new operator registered in the State of Utah: YES Business Number: 4549132-0143 If NO, the operator was contacted contacted on: Federal and Indian Lease Wells: The BLM and or the BIA has approved the (merger, name change,)	04/20/2000		perator on:	from the NEW o	9-8-10) Sundry or legal documentation was received	2.
 Is the new operator registered in the State of Utah: YES Business Number: 4549132-0143 If NO, the operator was contacted contacted on: Federal and Indian Lease Wells: The BLM and or the BIA has approved the (merger, name change, 							•		
 5. If NO, the operator was contacted contacted on: 6. Federal and Indian Lease Wells: The BLM and or the BIA has approved the (merger, name change, 	0-12-2000	10	se on:	ons Database	of Corporatio	e, Division	ent of Commerc	new company has been checked through the Departn	3.
 5. If NO, the operator was contacted contacted on: 6. Federal and Indian Lease Wells: The BLM and or the BIA has approved the (merger, name change, 									
6. Federal and Indian Lease Wells: The BLM and or the BIA has approved the (merger, name change,			43	4 <u>549132-014</u>	Number: 4	Business N	YES	e new operator registered in the State of Utah:	4.
						-		D, the operator was contacted contacted on:	5.
		,	ange,		, –	approved			
 7. Federal and Indian Units: The BLM or BIA has approved the successor of unit operator for wells listed on:							N/A	vells listed on:	

	change for all wells listed involved in a A on: N/A
9.	Underground Injection Control ("UIC") Pro; The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 10/16/2000
D	ATA ENTRY:
1.	Changes entered in the Oil and Gas Database on: 10/16/2000
2.	Changes have been entered on the Monthly Operator Change Spread Sheet on: 10/16/2000
3.	Bond information entered in RBDMS on: N/A
4.	Fee wells attached to bond in RBDMS on:
Sī	TATE BOND VERIFICATION:
1.	State well(s) covered by Bond No.:
	EE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION: (R649-3-1) The NEW operator of any fee well(s) listed has furnished a bond: YES
1.	(RO49-3-1) The INE W Operator of any fee wen(s) fished has furnished a bond.
	The FORMER operator has requested a release of liability from their bond on: The Division sent response by letter on: 10/03/2000 09/27/2000
3.	(R649-2-10) The FORMER operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:
FI	LMING:
	All attachments to this form have been MICROFILMED on: 3,2,6/
	LING: ORIGINALS/COPIES of all attachments pertaining to each individual well have been filled in each well file on:
CC	MMENTS:

. /4



State of Utah DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

well file

Michael O. Leavitt Governor Kathleen Clarke Executive Director Lowell P. Braxton Division Director

1594 West North Temple, Suite 1210 PO Box 145801 Salt Lake City, Utah 84114-5801 801-538-5340 801-359-3940 (Fax) 801-538-7223 (TDD)

June 19, 2002

John Pulley Devon Energy Production Company, LP PO Box 290 Neola, UT 84053

Re: Pressure Test for Mechanical Integrity, Saleratus 2-17C5 Well, Section 17,

Township 3 South, Range 5 West, Duchnese County, Utah

Gentlemen:

The Underground Injection Control Program, which the Division of Oil, Gas and Mining (DOGM) administers in Utah, requires that all Class II injection wells demonstrate mechanical integrity. Rule R649-5-5.3 of the Oil and Gas Conservation General Rules requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 300 psi. This test shall be performed at least every five-year period beginning October, 1982. Please make arrangements and ready the Saleratus 2-17C5 well for testing during the week of July 8, 2002 as outlined below:

- 1. Operator must furnish connections, and accurate pressure gauges, hot oil truck (or other means of pressuring annulus), along with personnel to assist in opening valves etc.
- 2. The casing-tubing annulus shall be filled prior to the test date to expedite testing, as each well will be required to hold pressure for a minimum of 15 minutes.
- 3. If mechanical difficulties or workover operations make it impossible for the wells to be tested on this date the tests may be rescheduled.
- 4. Company personnel should meet DOGM representatives at the field office or other location as negotiated.

Page 2 Devon Energy Production Company, LP June 19, 2002

5. All bradenhead valves with exception of the tubing on the injection wells must be shut-in 24 hours prior to testing.

Please contact Dennis Ingram at (435) 722-3417 to arrange a meeting time and place or negotiate a different date, if this one is unacceptable.

Sincerely,

Gil Hunt

Technical Services Manager

er

cc: Dennis Ingram



PO BOX 290 NEOLA, UTAH 84053 Telephone: (435) 353-5785 Facsimile: (435) 353-4139

June 20, 2002

RECEIVED

JUN 2 1 2002

DIVISION OF OIL, GAS AND MINING

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Pressure Test for Mechanical Integrity

Saleratus 2-17C5, Section 17-T3S-R5W

Duchesne County, Utah

Dear Gil:

As per your letter dated June 19, 2002 and our conversation today, enclosed are copies of the mechanical integrity test performed on April 18, 2000.

The following copies are attached:

Letter from Craig Goodrich
US EPA Mechanical Integrity Pressure Test Casing/Tubing Annulus
Mechanical Integrity Test Additional Comments
Pressure Chart

Please contact me if additional information is needed at (435) 353-5485.

Sincerely,

John Pulley

Acting Foreman/Senior Operations Engineer Devon Energy Production Company, LP

dkb

pc: Billy Johnson, Devon Energy Corp. Oklahoma City, OK

P.O. Box 290, Neola, Utah 84053 435/353-5782 Fax 435/353-4139

Craig Goodrich

Production Foreman

Mr. Bahram Jafari
United States Environmental Protection Agency
Technical Enforcement Program
Ref: 8ENT-T
Region 8
999 18 Th Street – Suite 500
Denver, Co 80202-2466

Dear Mr. Jafari

In accordance with the UIC regulations found at 40 C.F.R. 144.51 (g), a mechanical integrity test was demonstrated on the Devon Energy Production Company L.P., Saleratus Wash #2-17C5 water disposal well, (EPA No. UT2664-02720).

The test was conducted on April 18, 2000 and started at 5:50 PM. EPA representatives, Nathan Wiser and Bahram Jafari were present during the test. Others present were Dale Christensen (pump truck operator) and Andy Jones (Coastal Oil and Gas lease operator).

ATTACHEMNNTS

- 1. Photostatic copy of the pressure recorder chart that was used during the test.
- 2. Photostatic copy of the pump truck operator's work ticket with endorsement.
- 3. MIT data table.
- 4. Original copy of the EPA MIT data table with endorsements.

Crary Cocalul

Craig Goodrich

Devon Energy Production Company, L.P.

Production Foreman



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION VIII

999 18th STREET - SUITE 500 DENVER, COLORADO 80202-2405

MECHANICAL INTEGRITY PRESSURE TEST CASING/TUBING ANNULUS

Company Name: r	Levon Fner	ar Brah	wing Co.L.P. Date: 4/18/00
Well Name: Sale	ratus was	2.176	5 Permit No. 413664-03730
Field Name: A	tamont		Country 2
Well Location:	2.1705	Sec	County: Duchesne
Well Type: SWD	K ER	2H	0+hom
Type of Packer:	Permane	nt(Acro	udaill Total Danth Care
	achemi. Ik	$A \cap M \cap A$	M FT
Surface Casing	Size: <u>95/8</u>		From C of many
Casing Size:	7"		From: e
Tubing Size:	778"	Tubing	Pressure during Test: 525 psig
Time of Day: 5	:50	am/pm	psig
	Test #1		Test #2
5:50 0 Min:	1040	psig	psiq
5:55 5	1040	psig	psiq
6:00 10	1040	_ psig	psiq
6:05 15	1050	_ psig	psig
6: 10 ²⁰	1050	_ psig	psig
6: 15 ²⁵	1050	_ psig	psig
€; 3 ¢ 30	1050	_ psig	psig
35		_ psig	psig
40		_ psig	psig
45		_ psig	psig
50	*	_ psig	psig
55		_ psig	psig
60		_ psig	psig

Test Conducted by: Hot Oil Express (Dale Christensen) Inspected by: EPA Witness: Nathan Wiser Bahram Jufari
Others Present: Craic Goodrich (Devon Energy Production Co. L.P.)
Andy Jones (Coastal Oild Gas) EPA R8 3560-1A (8-89)

Additional comments for mechanical integrity test
Inding pressure at end of the test 200 psi, pump shut down at 20 minutes into the test.
113/4" water in hot oil truck prior to test. 113/4" water during test. 113/4" water after test. Signature of EPA Witness OFFICE USE ONLY - COMPLIANCE FOLLOWUP Staff. Date
Signature of EPA Witness
OFFICE USE ONLY - COMPLIANCE FOLLOWUP Staff Do you agree that the well passed/failed the test? [] Yes Transfer of ownership? [] Yes [] No OLD NEW Change in operating status (computer update) [] Yes [] N Possible violation identified? [] Yes [] No If YES - Followup initiated? [] Yes [] No
OFFICE USE ONLY - COMPLIANCE FOLLOWUP Staff Date
Transfer of ownership? [] Yes [] No OLD NEW
TE VDG TERRITARIAN TARAKTARIAN TARAKTARIAN TERRITARIAN
[] Data Entry [] Compliance Staff [] 2nd Data Entry [] Hard Copy Filing

This is the back side of two sides.

Mechanical Integrity Test Casing or Annulus Pressure Test

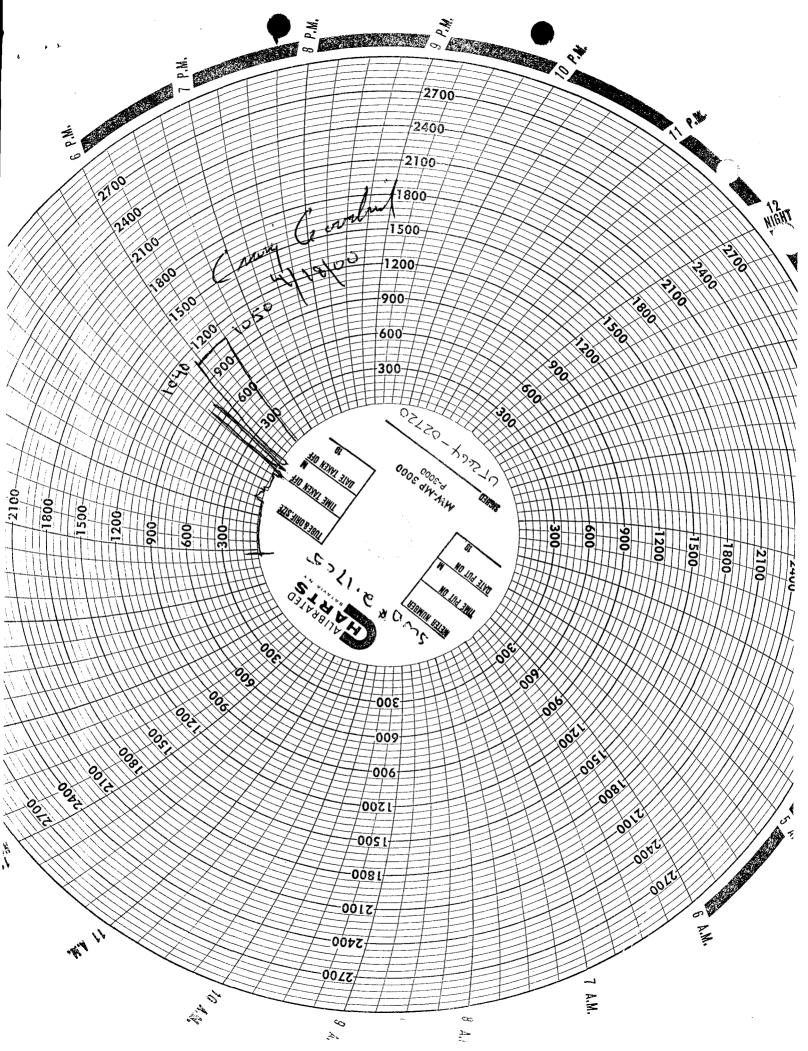
U.S. Environmental Protection Agency Underground Injection Control Program, UIC Implementation Section, 999 18th Street, Suite 500, Denver, CO 80202-2466

Well: #2-1	765	Well ID: U	T 2664-02720
Field: Alta	a mont	Company: D	evon Energy Prod. Co., L.1
	ion: T35 R5W S17	• .	Box 290, ola UT 84053 (Craig Goodri
	•		
Time	Test #1	Test #2	Test #3
$\rho = 0 \text{ min}$ $5\rho = 5$ $\rho = 10$ $5\rho = 15$ $\rho = 20$ $5\rho = 25$ $6\rho = 30 \text{ min}$	1040 psig 1040 psig 1040-1060 1050 (1040-60) 1050 (1040-60) - pung 1050 (1040-60) 1050 (1040-60)	psig	psig
35 40 45 50 55 60 min			
		psig	psig

Mechanical Integrity Test

i								1"=1.	13 661		-
	113/4"	water	in	trule	prior	to tot					-
,	11/4"	weter	· .	tank	Lurin	tot					-
, , , , , , , , , , , , , , , , , , ,	113/4"	water	· /n	tank	& after	- 414					_
		<u></u>									-
·										<u> </u>	-
											-
											-
						· · · · · · · · · · · · · · · · · · ·					-
· · · · · · · · · · · · · · · · · · ·											-
				············							-
	-										_
											_
	·····			-					:		-
		<u> </u>				····		<u> </u>			-
					٠				•		
				Mo-							
ICE USE ONI	.Υ - CO	MPLIAN	CE F	OLLOW	TUP S	taff			Date _		
you agree	that t	he wel	l pa	ssed/	faile	d the t	est?	[]	Yes	[]	ĺ
insfer of $\mathfrak c$	wnersh erating	ip? [statu:] Y	es omput] No ter up	OLD date) [] Yes		NEW _	[]	
sible viol	_			_						_	
If YES - Fo	ollowup	initi	ated	? [) Yes					[]	

This is the back side of two sides



dogm

4357223417

Ь•т

STATE OF UTAH
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

INJECTION WELL - PRESSURE TEST

	Well Owner/Operator:	UND FARINU	Production Co. LP	
Test Date: 4/15/05	Well Owner/Operator:x	POIL EINI 97	Other:	
Disposal Well:	Enhanced Recovery Well:		Other.	
API No.: 43- <u>0/3-30388</u>	Well Name/Number: 50	UU 2-17CS		
Section:	Township: 35	Rar	nge: 5 N	
Initial Conditions:	Draceure:	250	psi	
Tubing - Rate:				
Casing/Tubing Annulus	s - Pressure:	psi		
Conditions During Test:				
Time (Minutes)	Annulus Pressure	<u>Tu</u>	bing Pressure	
0 5	1000		250	
10	1001	-	<u>250</u> 250	
15	1000	_	250	
20	1000	-	250	
25	1000		250_	
30		_		
Results: Pass/Fail			Accounted by the	
Conditions After Test:			Accepted by the Utah Division of	
Tubing Pressure:	250 psi		Oil, Gas and Mining	\wedge
		Da	ate: 04-19-051	
Casing/Tubing Annuh	us Pressure:	Pict	1: Francisco	V
REMARKS:		 ,		
			M	
				-
				-
3. H.				-
Operator Representative	7	DOGM Witness	•	
		- STO CHERMOR	RECEIVE	ED

4-20-05 440 RECEIVED
APR 1 9 2005

	ATE OF UTAH	:e			FORM 9
	OIL, GAS AND MININ			5. LEAS	SE DESIGNATION AND SERIAL NUMBER:
SUNDRY NOTICES	S AND REPORTS C	N WELI	LS	6. IF IN	DIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significant	y deepen existing wells below current b ATION FOR PERMIT TO DRILL form fo	pottom-hole deptr	n, reenter plugged wells, or to	7. UNIT	or CA AGREEMENT NAME:
1 TYPE OF WELL			OSAL WELL	B .	L NAME and NUMBER: ERATUS 2-17C5
2. NAME OF OPERATOR: DEVON ENERGY PRODUCTION CO	MDANV I D				NUMBER: 1330388
3. ADDRESS OF OPERATOR: P.O. BOX 290 CITY NEOLA	STATE UT ZIP 840		PHONE NUMBER: (435) 353-4121	10. FIE	LD AND POOL, OR WILDCAT: JEBELL/ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1374' FNL 1174' F	EL ;				y: Duchesne
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: $oldsymbol{N}$	WNE 17 3S 5W			STATE:	UTAH
11. CHECK APPROPRIATE I	BOXES TO INDICATE I	NATURE (OF NOTICE, REPO	ORT, O	R OTHER DATA
TYPE OF SUBMISSION	_	TY	PE OF ACTION		
✓ NOTICE OF INTENT		DEEPEN			REPERFORATE CURRENT FORMATION
(Submit in Duplicate) ALTER CA		FRACTURE			SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING RI		NEW CONST		ᆜ	TEMPORARILY ABANDON
	O PREVIOUS PLANS	OPERATOR			TUBING REPAIR
SUBSEQUENT REPORT CHANGE T	<u> </u>	PLUG AND A		닏	VENT OR FLARE
(Submit Original Form Only)	VELL NAME	PLUG BACK		닏	WATER DISPOSAL
Date of work completion:	VELL STATUS	_ ¬	ON (START/RESUME)		WATER SHUT-OFF
	LE PRODUCING FORMATIONS	_	ON OF WELL SITE	V	OTHER: MIT
CONVERT	WELL TYPE	RECOMPLET	TE - DIFFERENT FORMATION		
12. DESCRIBE PROPOSED OR COMPLETED OPE	RATIONS. Clearly show all pertir	nent details inc	luding dates, depths, volun	nes, etc.	
Devon intends on conducting a mech 2010.	anical integrity test on th	he above r	eferenced water di	sposal	well on Wednesday, April 6,
Approve Utah Div Oil, Gas ar	ision of				
Date: 3/3	10		c	OPY SEI	NT TO OPERATOR
By:			n	ate: 4	: 1.2010
			_	nitials:	V5

GEORGE GURR NAME (PLEASE PRINT)

PRODUCTION FOREMAN TITLE

3/18/2010 DATE

(This space for State use only)

SIGNATURE

√

RECEIVED MAR 2 3 2010

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MININ	NG	5.LEASE DESIGNATION AND SERIAL NUMBER: FEE
SUNDF	RY NOTICES AND REPORTS O	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deepen ex igged wells, or to drill horizontal laterals. Use		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Water Disposal Well			8. WELL NAME and NUMBER: SALERATUS 2-17C5
2. NAME OF OPERATOR: DEVON ENERGY PROD CO LP			9. API NUMBER: 43013303880000
3. ADDRESS OF OPERATOR: P.O. Box 290 8345 North 512	5 West, Neola, UT, 84053 40	PHONE NUMBER: 05 552-7883 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1374 FNL 1174 FEL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NWNE Section: 17	(P, RANGE, MERIDIAN: Township: 03.0S Range: 05.0W Meridian: U		STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start.	☐ CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN ☐	FRACTURE TREAT	☐ NEW CONSTRUCTION
4/14/2010	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	VENT OR FLARE	☐ WATER DISPOSAL
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
	☐ WILDCAT WELL DETERMINATION ✓	OTHER	OTHER: MIT
12. DESCRIBE PROPOSED OR CO	MPLETED OPERATIONS. Clearly show all pertine	ent details including dates, depths, v	olumes, etc.
Devon is submitting s and approved on 3/3 Utah Form 6 was	Subsequent Report for Notice of 80/2010 to conduct a mechanica completed and is attached; De list, witnessed and passed the to	Intent dated 3/18/2010 Il integrity test. State of nnis Ingram, Senior	Approved by the Utah Division of Oil, Gas and Mining
		D: B:	ate: April 20, 2010 y:
			<i>3</i> 2
NAME (PLEASE PRINT) Deanna Bell	PHONE NUMBER	TITLE Senior Field Technician	
SIGNATURE	435 353-5780	DATE	
N/A		4/14/2010	

STATE OF UTAH DIVISION OF OIL GAS AND MINING

INJECTION WELL - PRESSURE TEST

			1
Well Name: <u>Saleratus</u>	S 2-17C5 API Number	r: <u>43 013 30388</u>	
Qtr/Qtr: ALWAE Sector Company Name: Device		_ <u>3S</u> Range: <u>_5₩</u>	
	33/		
Lease: State // // // // // // // // // // // // //	Fee Federal_ Date:	Indian	
Initial Conditions:			
Tubing - Rate: /280	<u> </u>	re: <u>840</u> psi	
Casing/Tubing Annulus - Pr	essure: //40 psi		
Conditions During Test:			
Time (Minutes)	Annulus Pressure	Tubing Pressure	
0	<u> </u>	<u></u>	
5		<u>840</u>	
10	1140	840	
15	1140	840	
20	1140	840	
25	1140	840	
30		070	
Results: Pass/Fail			
Conditions After Test:			
Tubing Pressure: $\underline{\mathscr{S}}$	<u>40 </u>		
Casing/Tubing Annulus	s Pressure: <u>//45</u> ps		,
COMMENTS: Start	11:05 A.M He	At ExpANSION From	n Enjection
-			
7117 2			
Operator Representative			
opolator i toprocontativo			

State of Utah - [Devon E		oduction Co			
1594 West Nort	h Temple				333 V	V Sheridan	Ave.		
Suite 1210 Box	145801			Oklah	oma City,	OK 73102-	8260		0.44
SLC, UT 84114		Per Commence	January Co.		to a state on promove there.			•	4 91
T		Mary's / Laboratorio Names				under sterre misse stage tisse of an artists despetisjohe	t in a second se	the commence of the commence o	11 0 141400011010001
	Month	ly Injection	Report for Se	ptember 2	013	The second secon	manus alaban panganga arang sa sagaran perandenan denderan		
er mail			Volume			TBG/CSG	and the state of t	·	
Well No.	Sep-13	Hrs On	Injected BBL	Max. PSI	Ave. PSI	Annul PSI	managed asserting the second or a second or	Dn. Hrs.	*****
SWD 2-17C5	1	6	1290	500	500	0	er or yes for ending in a source to an anomalous	18	entrancement of the
SWD 2-17C5	2	10	1896	500	500	0	‡	14	
SWD 2-17C5	3	6	1219	500	500	0	denne serimente nomen menskippy papirikije mense serimoj inkanoj mos e nodič, skensky nim	18	WF 64 B
SWD 2-17C5	4	· 7	1723	500	500	0		17	
SWD 2-17C5	5	6	1134	500	500	0		18	te secrit ingo
SWD 2-17C5	6	6	1227	500	500	0	ě.	. 18	
SWD 2-17C5	7	6	1102	500	500	0		18	do
SWD 2-17C5	8	6	1096	525	525	0		18	****
SWD 2-17C5	9	24	1530	525	525	0		0	
SWD 2-17C5	10	9	1470	525	525	0		15	
SWD 2-17C5	11	6	1171	525	525	0	The second secon	18	
SWD 2-17C5	12	24	1258	500	500	0		0	*
SWD 2-17C5	13	6	1264	200	200	0		18	10.0 mg/s 1 400 t 1000 4
SWD 2-17C5	14	3	703	225	225	0	A control of the second of the control of	21	Application of the Assessment Management
SWD 2-17C5	15	9	1604	525	525	0		15	enadoreshrama e consess
SWD 2-17C5	16	10	1709	525	525	0	CONTRACTOR CONTRACTOR	14	(morting control of the control of t
SWD 2-17C5	17	3	741	525	525	0	and the same of th	21	
SWD 2-17C5	18	13	1961	500	500	0		1	1 2474.40
SWD 2-17C5	19	11	1752	500	500	0		13	
	ode-proproproproproproproproproproproproprop	24	The commercial in the property of the	ana taon i tambanan mili	500	0		12	
SWD 2-17C5	20	gara je rejaman kara sana sanaranjaman persana asala sa passing.	1091	500				. 0	
SWD 2-17C5	21	24	1524	500	500	0	Annana and analysis of the control o		to nor mounty upon
SWD 2-17C5	22	6	822	500	500	0		18	
SWD 2-17C5	23	6	880	500	500	10	um a seu a la um respectió commençación	18	and the second second
SWD 2-17C5	24	5	591	525	525	. 0	Bernell in the second second second second	19	e, norther early serve or entry entering
SWD 2-17C5	25	11	1501	400	400	0		13	*****
SWD 2-17C5	26	11	1682	400	400	0		13	mental of the con-
SWD 2-17C5	27	13	2174	500	500	0	\$1.000 mm market \$1.000 mm market	11	
SWD 2-17C5	28	12	2050	500	500	0	milyandir si dardar massarangiga sumahadasinanga ilakasinanan	12	
SWD 2-17C5	29	12	2072	500	500	0	Accessor & warmers	12	
SWD 2-17C5	30	11	1742	500	500	0		13	
						307 100		A STATE OF THE PARTY OF THE PAR	
	mention and adversarial states as a second	personal y results are a series	The second control	ays may man provinces - money consequences	alper expert consider the debter colors consider a possi-			Charles and the second	
The state of the s	* Commission		and the second of the particular and the second of			1 1 1 1 1		d type to any measure and any	management of the second
Total/Avg	and the state of t	306	41979	13. 0			to space 1	414	NY v + N - A
Cumulative	e Mare Spring and a commercial pro-	n, organisa kip anamadaga dipandaga pingan, a n a	23,533,530	gradus despression destruction of the second section of the second second second second second second second se	Bernary School and a second second feeting a second		The second secon	and an anti-contract of the second se	
	entrolik d elekt menyekan kenal	CC - C-SPEZZANAMANAMAN MAKELANAMAN ANAMAN		Bayere comment a party balled 3° across code or 150 order	ter de Alexande (1995) de la Reduction de comme me comme			and the second s	3 may - 1 m h m
API NO 43-019	-30388-00	I certify the	oregoing is true	and correct t	o the hest o	f my knowled	oe.	MEAN MATERIAL PROPERTY OF THE PARTY OF THE P	- 4 1.1955
<u> </u>	1	· willy life			~ = 10 0001 0	,, momo		The State of State of the State of Stat	
Signed	$A \sim$	Date	4/2/2014		Mandam medidir aud is or chi come a	The state of the s	-	And the state of t	meth made are
Rachel Lowe					19199 \$ 1999 \$ 7 Pr	<u> </u>			magajiri samurini si
						9	I I I		Security services (

Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

X - Change of Operator (Well Sold)				Operator Name Change/Merger					
The operator of the well(s) listed below has change	8/29/2014								
FROM: (Old Operator): DEVON ENERGY PRODUCTION COMPANY L.P. N1275 333 WEST SHERIDAN AVENUE			TO: (New Operator): LINN OPERATING INC N4115 1999 BROADWAY STE 3700						
			DENVER CO		3700				
				303-999-4275					
CA No.				Unit:	N/A				
	SEC	TWN	N RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
See Attached List			<u> </u>		L		<u></u>		
OPERATOR CHANGES DOCUMENT. Enter date after each listed item is completed									
1. (R649-8-10) Sundry or legal documentation wa				-		9/16/2014	•		
2. (R649-8-10) Sundry or legal documentation wa				=		9/16/2014		10/0/0014	
3. The new company was checked on the Departs4a. Is the new operator registered in the State of U		oi Coi	mmerce	Business Numb	-	9031632-0143		10/8/2014	
5a. (R649-9-2)Waste Management Plan has been re		ed on:		Yes		7031032-0143	•		
5b. Inspections of LA PA state/fee well sites compl5c. Reports current for Production/Disposition & S				N/A 10/8/2014	- -				
6. Federal and Indian Lease Wells: The BL					merger, na	me change,			
or operator change for all wells listed on Federa	al or	Indian	leases o	on:	BLM	NOT YET	BIA	NOT YET	
7. Federal and Indian Units:	_								
The BLM or BIA has approved the successor		-				<u>N/A</u>	-		
8. Federal and Indian Communization Ag			•	•					
The BLM or BIA has approved the operator of					6 T	N/A			
9. Underground Injection Control ("UIC"			-	_			-		
Inject, for the enhanced/secondary recovery un DATA ENTRY:	ıı/pro	ојест то	or the w	ater disposai wei	ii(s) iistea o	n:	9/24/2014		
1. Changes entered in the Oil and Gas Database				10/8/2014	_				
 Changes have been entered on the Monthly Or Bond information entered in RBDMS on: 	erat	or Cha	ange Sp			10/8/2014	•		
3. Bond information entered in RBDMS on:4. Fee/State wells attached to bond in RBDMS on				10/8/2014 10/8/2014	•				
5. Injection Projects to new operator in RBDMS of				N/A	•				
6. Receipt of Acceptance of Drilling Procedures for	or Al	PD/Nev	w on:		-	10/8/2014	_		
7. Surface Agreement Sundry from NEW operator	on F	ee Sur	face we	lls received on:		9/16/2014	•		
BOND VERIFICATION:									
 Federal well(s) covered by Bond Number: Indian well(s) covered by Bond Number: 				NMB000501	•				
Indian well(s) covered by Bond Number:3a. (R649-3-1) The NEW operator of any state/fe	e wel	ll(s) lis	ted cov	NMB000501 ered by Bond Nu	umher	LPM9149893			
3b. The FORMER operator has requested a release					N/A	LI 1017147075			
LEASE INTEREST OWNER NOTIFIC			, nom t	den bond on.	11/11	-			
4. (R649-2-10) The NEW operator of the fee wells			ontacted	l and informed b	y a letter fro	om the Division			
of their responsibility to notify all interest owner					10/8/2014				
COMMENTS:									

Devon Energy Production Company, L.P. N1275 to Linn Operating, Inc N4115 Effective 8/29/2014

Well Name	Section	Township	Range AP		Entity	Mineral	Well	Well
				Number		Lease	Type	Status
SWD 4-11A2	11	010S	020W	4301320255	99990	Fee	WD	A
VIRGIL MECHAM 1-11A2	11	010S	020W	4301330009	5760	Fee	WD	Α
1-3A2	3	010S	020W	4301330021	99990	Fee	WD	Α
BLUEBELL 2-28A2	28	010S	020W	4301330346	99990	Fee	WD	A
SALERATUS 2-17C5	17	030S	050W	4301330388	99990	Fee	WD	A
CENTRAL BLUEBELL 2-26A2	26	010S	020W	4301330389	99990	Fee	WD	Α
BALLARD 2-15B1	15	020S	010W	4304732351	11476	Fee	WD	Α
GALLOWAY #3-14B2	14	020S	020W	4301351741		Fee	OW	APD
GALLOWAY #3-12B2	12	020S	020W	4301351742		Fee	OW	APD
GALLOWAY 4-14B2	14	020S	020W	4301351818		Fee	ow	APD
MORRIS #3-8B1	8	020S	010W	4301351836		State	OW	APD
FRITZ #3-24A2	24	010S	020W	4301351837		Fee	ow	APD
GALLOWAY #2-14B2	14	020S	020W	4301351739	19044	Fee	OW	DRL
EMERALD 2-32A1	32	010S	010W	4301350059	17980	Fee	OW	OPS
CLYDE MURRAY 1-2A2	2	010S	020W	4301330005	5876	Fee	OW	P
VICTOR C BROWN 1-4A2	4	010S	020W	4301330011	5780	Fee	OW.	P
DOUG BROWN 2-4A2	4	010S	020W	4301330017	5840	Fee	ow	P
L BOREN U 3-15A2	15	010S	020W	4301330017	5755	Fee	OW	P
LAMICQ-URTY U 3-17A2	17	010S	020W	4301330099	5745	Fee	ow	P
L BOREN U 5-22A2	22	010S	020W	4301330099	5900	Fee	ow	P
L BOREN U 4-23A2	23	010S	020W	4301330107	5905	Fee	ow	P
TOMLINSON FED 1-25A2	25	010S	020W	4301330113	5535	Federal	OW	P
WOODWARD 1-21A2	21	010S	020W	4301330120	5665	Fee	OW	P
and the second s	20	0105	020W	4301330130	5400	Fee	GW	P
LAMICQ 1-20A2 L RBRTSN ST 1-1B2		010S 020S			+		OW	P
	1		020W	4301330200	5410	State		P
SMITH ALBERT 1-8C5	8	030S	050W	4301330245	5490	Fee	OW_	
FRESTON ST 1-8B1	8	020S	010W	4301330294	5345	Fee	OW	P
GEORGE MURRAY 1-16B1	16	020S	010W	4301330297	5950	Fee	OW_	P
LAMICQ-URTY U 4-5A2	5	010S	020W	4301330347	5845	Fee	OW	P
H G COLTHARP 1-15B1	15	020S	010W	4301330359	5945	Fee	OW	P
STATE 3-18A1	18	010S	010W	4301330369	5810	Fee	OW	P
LAMICQ 2-6B1	6	020S	010W	4301330809	2301	Fee	OW	P
DILLMAN 2-28A2	28	010S	020W	4301330821	5666	Fee	OW	P
HAMBLIN 2-26-A2	26	010S	020W	4301330903		Fee	OW	P
JOHN 2-3-B2	3	020S	020W	4301330975	5387	Fee	OW	P
LAMICQ-ROBERTSON ST 2-1B2	1	020S	020W	4301330995	5412	Fee	OW	P
UTE TRIBAL 2-7A2	7	010S	020W	4301331009	5836	Indian	ow	P
HATCH 2-3B1	3	020S	010W	4301331147	10615	Fee	OW	P
NORLING 2-9B1	9	020S	010W	4301331151	10616	Fee	OW	P
SHAW 2-27A2	27	010S	020W	4301331184	10753	Fee	OW_	P
LAMICQ-URRITY 4-17A2	17	010S	020W	4301331190	10764	Fee	OW	P
LAMICQ 2-20A2	20	010S	020W	4301331191	10794	Fee	OW_	P
FRESTON 2-8B1	8	020S	010W	4301331203	10851	Fee	OW	P
WISSE 3-35A2	35	010S	020W	4301331215	10925	Fee	ow	P
MECCA 2-8A2	8	010S	020W	4301331231	10981	Fee	OW	P
SWYKES 2-21A2	21	010S	020W	4301331235	10998	Fee	OW	P
SHERMAN 2-12B2	12	020S	020W	4301331238	11009	Fee	ow	P
DUNCAN 4-2A2	2	010S	020W	4301331276	11258	Fee	GW	P
HAMBLIN 3-9A2	9	010S	020W	4301331278	11094	Fee	GW	P
BAR-F 2-5B1	5	020S	010W	4301331286	11113	Fee	ow	P
SMITH 2-9C5	9	030S	050W	4301331321	11245	Fee	ow	P
LORANGER 2-24A2	24	010S	020W	4301331322	11244	Fee	ow	P
UTE 2-6B3	6	020S	030W	4301331325	11446	Indian	ow	P
MCELPRANG 2-30A1	30	010S	010W	4301331326		Fee	ow	P

Devon Energy Production Company, L.P. N1275 to Linn Operating, Inc N4115 Effective 8/29/2014

Well Name	Section	Township	Range A	P API	Entity	Mineral	Well	Well
		-		Number		Lease	Type	Status
SMITH 2-7C5	7	030S	050W	4301331327	11324	Indian	OW	P
SMITH 2-18C5	18	030S	050W	4301331328	11336	Indian	OW	P
UTE 2-24A3	24	010S	030W	4301331329	11339	Indian	OW	P
UTE 5-19A2	19	010S	020W	4301331330	11277	Indian	OW	P
EDWARDS 3-10B1	10	020S	010W	4301331332	11264	Fee	OW	P
SUNDANCE 4-15A2	15	010S	020W	4301331333	11269	Fee	ow	P
LORANGER 6-22A2	22	0108	020W	4301331334	11335	Fee	OW	P
COX 2-36A2	36	010S	020W	4301331335	11330	Fee	OW	P
SMITH 2-6C5	6	030S	050W	4301331338	11367	Indian	OW	P
FRESTON 2-7B1	7	020S	010W	4301331341	11338	Fee	OW	P
PEARSON 2-11B2	11	020S	020W	4301331356	11359	Fee	OW	P
CHAPMAN 2-4B2	4	020S	020W	4301331378	11485	Fee	OW	P
LAMB 2-16A2	16	010S	020W	4301331390	11487	Fee	OW	P
LABRUM 2-23A2	23	010S	020W	4301331393	11514	Fee	ow	P
POWELL 2-16B1	16	020S	010W	4301331820	12342	Fee	OW	P
BOWMAN 5-5A2	5	010S	020W	4301332202	13043	Fee	OW	P
BOREN 4-9A2	9	010S	020W	4301332203	13079	Fee	OW	P
BLANCHARD 3-10A2	10	010S	020W	4301332223	13149	Fee	OW	P
SQUIRES 3-8A2	8	010S	020W	4301332227	13176	Fee	OW	P
BROWN 3-4A2	4	010S	020W	4301332684	14673	Fee	OW	P
GALLOWAY 3-11B2	11	020S	020W	4301334304	18527	Fee	ow	P
OWL AND THE HAWK 3-9C5	9	030S	050W	4301351214	18649	Fee	OW	P
Bingham #3-4B1	4	020S	010W	4301351464	18825	Fee	ow	P
RED MOUNTAIN 3-5B1	5	020S	010W	4301351632	18954	Fee	OW	P
MECHAM #3-1B2	1	020S	020W	4301351844	19082	State	OW	P
MIKE AND SHELLEY #3-4B2	4	020S	020W	4301351845	19083	Fee	ow	P
RBRTSN UTE ST 1-12B1	12	020S	010W	4304730164	5475	Fee	OW	P
MAY UTE FED 1-13B1	13	020S	010W	4304730176	5435	Fee	OW	P
COOK 1-26B1	26	020S	010W	4304731981	11212	Fee	OW	P
CHRISTIANSEN 2-12B1	12	020S	010W	4304732178	11350	Fee	OW	P
RICH 2-13B1	13	020S	010W	4304732744	12046	Fee	OW	P
THOMAS 4-10B1	10	020S	010W	4304734080	13284	Fee	OW	P
HAMAKER 3-12B1	12	020S	010W	4304752294	18650	Fee	OW	P
BETTS 2-26B1	26	020S	010W	4304752435	18698	Fee	OW	P
STATE 1-10A2 (3-10C)	10	010S	020W		5860	State	GW	S
L BOREN U 6-16A2	16	010S	020W	4301330123	5750	Fee	ow	S
UTE TRIBAL 1-6B3	6	020S	030W	4301330136	5705	Indian	ow	S
MAUREL TAYLOR FEE 1-36A2	36	010S	020W	4301330143	5525	Fee	OW	S
CAMPBELL UTE ST 1-7B1	7	020S	010W	4301330236	5295	Indian	ow	S
D L GALLOWAY 1-14B2	14	020S	020W	4301330564	5965	Fee	OW	S
MARK 2-25A2	25	010S	020W	4301331232	10986	Fee	OW	S
MITCHELL 2-4B1	4	020S	010W	4301331317	11231	Fee	OW	S

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING 5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached Well List 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: SUNDRY NOTICES AND REPORTS ON WELLS 7. UNIT or CA AGREEMENT NAME: Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. 8 WELL NAME and NUMBER TYPE OF WELL OTHER See Attached Well List GAS WELL OIL WELL See Attached Well List 2. NAME OF OPERATOR: API NUMBER: LINN OPERATING, INC PHONE NUMBER: 10. FIELD AND POOL, OR WILDCAT: 3. ADDRESS OF OPERATOR ZIP 80202 Denver 1999 Broadway, Suite 3700 STATE CO (303) 999-4275 Bluebell/Altamont 4. LOCATION OF WELL COUNTY: Duchsene/Uintah FOOTAGES AT SURFACE: QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 11. TYPE OF SUBMISSION TYPE OF ACTION ACIDIZE DEEPEN REPERFORATE CURRENT FORMATION 1 NOTICE OF INTENT (Submit in Duplicate) ALTER CASING FRACTURE TREAT SIDETRACK TO REPAIR WELL Approximate date work will start: CASING REPAIR **NEW CONSTRUCTION** TEMPORARILY ABANDON OPERATOR CHANGE CHANGE TO PREVIOUS PLANS TUBING REPAIR CHANGE TUBING PLUG AND ABANDON VENT OR FLARE SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK WATER DISPOSAL (Submit Original Form Only) CHANGE WELL STATUS PRODUCTION (START/RESUME) WATER SHUT-OFF Date of work completion: COMMINGLE PRODUCING FORMATIONS OTHER: CHANGE OF RECLAMATION OF WELL SITE **OPERATOR** CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Effective 08/29/2014, Change of Operator from Devon Energy Production Company, LP, to Linn Operating, Inc. is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under their blanket state bond number LPM9149893. Attached is a list of wells that are associated with this Change of Operator. Devon Energy Production Company, LP N1375 333 West Sheridan Avenue Oklahoma City, OK 73102-5015 John D Raines SEP 16 2014 Vice President DIV OF OIL GAS & MINING Russell des Cognets II Asset Manager NAME (PLEASE PRINT) 9/8/14 SIGNATURE (This space for State us

OCT 08 2014

DIV. OIL GAS & MINING

(See Instructions on Reverse Side)

OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	

Field

BLUEBELL ALTAMONT

State

UT

County

DUCHESNE

DUCHESNE

DUCHESNE

DUCHESNE

DUCHESNE

DUCHESNE

DUCHESNE

DUCHESNE

DUCHESNE

DUCHESNE

DUCHESNE

Devon Energy Production Company, LP Exisiting Well List for State/Fee/Indian Leases

Lease Type

FEE

STATE

Well Type

OIL

Producing Status

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Shut-In

Shut-In

Shut-In

Shut-In

API#

430133128600

430135146400

430133222300

430133003500

430133119200

430133008600

430133011500

430133220300

430133010700

430133012300

430133220200

430133001700

430133001100

430133268400

430133023600

430133137800

430133000500

430133035900 430133129900

430133133500

430133082100

430133127600

430133133200

430133029400

430133134100

430133120300

430133056400

430133430400

430133090300

430133127800

430133114700

430133097500

430133139300

430133139000

430133020000

Well Name

BAR F 2-5B1

BINGHAM 3-4B1

*BOREN 1-14A2-

BOREN 3-11A2

BOREN 3-15A2

BOREN 4-23A2

BOREN 4-9A2

BOREN 5-22A2

BOREN 6-16A2

BROWN 3-4A2

CHAPMAN 2-4B2

COLTHARP 1-15B1

DILLMAN 2-28A2

EDWARDS 3-10B1

FRESTON STATE 1-8B1

DUNCAN 4-2A2

FRESTON 2-7B1

FRESTON 2-8B1

GALLOWAY 1-14B2

GALLOWAY 3-11B2

HAMBLIN 2-26A2

HAMBLIN 3-9A2

LABRUM 2-23A2

LAMICQ ROBERTSON 1-1B2

HATCH 2-3B1

LAMB 2 16A2

JOHN 2-3B2

COX 2-36A2

BOWMAN 5-5A2

BROWN DOUG 2-4A2

BROWN VICTOR C 1-4A2

CAMPBELL UTE ST 1-7B1

CLYDE MURRAY 1-2A2

CORNABY 2-14A2 (RECOMP)

BLANCHARD 3-10A2

Legal Location

005-002S-001W

004-002S-001W

010-001S-002W

014-001S-002W

011-001S-002W

015-001S-002W

023-001S-002W

009-001S-002W

022-001S-002W

016-001S-002W

005-001S-002W

004-001S-002W

004-001S-002W

004-001S-002W

007-002S-001W

004-002S-002W

002-001S-002W

015-002S-001W

014-001S-002W

036-001S-002W

028-001S-002W

002-001S-002W

010-002S-001W

008-002S-001W

007-002S-001W

008-002S-001W

014-002S-002W

011-002S-002W

026-001S-002W

009-001S-002W

003-002S-001W

003-002S-002W

023-001S-002W

016-001S-002W

001-002S-002W

GAS & MINING 2014 SEP

RECEIVED

SWYKES 2 21A2	430133123500	021-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
TAYLOR MAUREL FEE 1-36A2	430133014300	036-001S-002W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
TOMLINSON 1 25A2	430133012000	025-001S-002W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE TRIBAL 2-7A2	430133100900	007-001S-002W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE TRIBAL 5-19A2	430133133000	019-001S-002W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE 1-6B3	430133013600	006-002S-003W	Shut-In	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE 2-24A3	430133132900	024-001S-003W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE 2-6B3	430133132500	006-002S-003W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
WISSE 3-35A2	430133121500	035-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
WOODWARD 1-21A2	430133013000	021-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BALLARD 2-15B1 SWD	430473235100	015-002S-001W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	UINTAH
BETTS 2-26B1	430475243500	26-2S-1W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
CHRISTENSEN 2-12B1	430473217800	012-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
COOK 1-26B1	430473198100	026-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
HAMAKER 3-12B1	430475229400	12-2S-1W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
MAY UTE FED 1-13B1	430473017600	013-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
RICH 2-13B1	430473274400	013-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
ROBERTSON UTE STATE 1-12B1	430473016400	012-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
THOMAS 4-10B1	430473408000	010-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH

RECEIVED

SEP **16** 2014

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

	 ~

	DIVISION OF OIL, GAS AND	MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached Well List
SUNDR	Y NOTICES AND REPOR	RTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill drill horizontal	I new wells, significantly deepen existing wells below laterals. Use APPLICATION FOR PERMIT TO DE	w current bottom-hole depth, reenter plugged wells, or to RILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
TYPE OF WELL OIL WELL	GAS WELL OTHE	See Attached Well List	8. WELL NAME and NUMBER: See Attached Well List
2. NAME OF OPERATOR:			9. API NUMBER:
LINN OPERATING, INC		PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
1999 Broadway, Suite 3700	TY Denver STATE CO		Bluebell/Altamont
LOCATION OF WELL FOOTAGES AT SURFACE:			COUNTY: Duchsene
QTR/QTR, SECTION, TOWNSHIP, RA	NGE, MERIDIAN:	1 1000 100	STATE: UTAH
CHECK APP	PROPRIATE BOXES TO INDIC	CATE NATURE OF NOTICE, REP	ORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	ACIDIZE ALTER CASING CASING REPAIR CHANGE TO PREVIOUS PLANS CHANGE TUBING CHANGE WELL NAME CHANGE WELL STATUS COMMINGLE PRODUCING FORMATIC	DEEPEN FRACTURE TREAT NEW CONSTRUCTION OPERATOR CHANGE PLUG AND ABANDON PLUG BACK PRODUCTION (START/RESUME) ONS RECLAMATION OF WELL SITE RECOMPLETE - DIFFERENT FORMATION	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON TUBING REPAIR VENT OR FLARE WATER DISPOSAL WATER SHUT-OFF OTHER: CHANGE OF OPERATOR
2. DESCRIBE PROPOSED OR C	OMPLETED OPERATIONS. Clearly show	all pertinent details including dates, depths, volu	mes, etc.
The state of the s	and of Operator from Doven	Energy Production Company, LP, to	Linn Operating, Inc. is responsib
Effective 08/29/2014, Chaunder the terms and cond	ditions of the leases for operation	ons conducted on the leased lands	or a portion thereof under their
Effective 08/29/2014, Chaunder the terms and conditional blanket state bond number	ditions of the leases for operation of the LPM9149893 .	ons conducted on the leased lands) that are associated with this Char	
Effective 08/29/2014, Chaunder the terms and conditional blanket state bond number Attached is a list of Application 333 West Sheridan Aven Oklahoma City, OK 7310. John D. Raines	ditions of the leases for operations of the leases for operations for Permit to Drill (APD) n Company, LP ue		
Effective 08/29/2014, Chaunder the terms and conditional blanket state bond number	ditions of the leases for operations of the leases for operations for Permit to Drill (APD) in Company, LP ue 2-5015		

OCT 0 8 2014

(See Instructions on Reverse Side)

RECEIVED SEP 16 2014

(5/2000)

DIV. OF OIL, GAS & MINING

STATE OF UTAH ARTMENT OF NATURAL RESOURCE

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

TRANSFER OF AL	JTHORITY TO INJECT	Т	
Well Name and Number SALERATUS 2-17C5		API Number 4301330388	
Location of Well Footage: 1374' FNL & 1174' FEL	DUCHESNE	Field or Unit Name BLUEBELL ALTAMONT	
QQ, Section, Township, Range: NWNE 17 3S 5W	County : DUCHESNE State : UTAH	Lease Designation and Number FEE	

EFFECTIVE DATE OF TRANSFER: 8/29/2014

Company: Address:	DEVON ENERGY PRODUCTION CO., L.P. 333 WEST SHERIDAN AVENUE city OKLAHOMA CITY _{state} OK zip 73102-5015	Name: Signature: Title:	JOHN D. RAINES VICE PRESIDENT	
Phone:	(405) 228-4480	Date:		

NEW OPERATOR LINN OPERATING, INC. Russell des Cognets II Company: Name: 1999 BROADWAY, SUITE 3700 Address: Signature: city DENVER ASSET MANAGER state CO zip 80202 Title: 9/15/14 (303) 999-4275 Phone: Date: Comments:

(This space for State use only)

Transfer approved by:

litte

Comments:

Approval Date:

RECEIVED

SEP 16 2014

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING	5 LEASE DESIGNATION AND SERIAL NUMBER:
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: MISC.
2. NAME OF OPERATOR:	9. API NUMBER:
LINN OPERATING, INC. 3. ADDRESS OF OPERATOR: IPHONE NUMBER:	10, FIELD AND POOL, OR WILDCAT:
1999 Broadway, Ste #3700 GHY Denver STATE CO AR 80202 (303) 999-4016	Bluebell
4. LOCATION OF WELL FOOTAGES AT SURFACE:	COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 14 1S 2W	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT	REPERFORATE CURRENT FORMATION
(Submit in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	U TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK	VENT OR FLARE
(Submit Original Form Only)	WATER DISPOSAL
Date of work completion: CHANGE WELL STATUS PRODUCTION (START/RESUME) PRODUCTION (START/RESUME)	WATER SHUT-OFF
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	OTHER: Excluded wells from Change of Operator
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volum	
Do not process Change of Operator from Devon Energy Production Company, LP to LINN (wells.	
43-013-31192 BOREN 3-11A2 Oil Well Producing BLUEBELL DUCH 43-013-51846 MIKE AND SHELLEY #4-14A2 Oil Well Approved permit (APD) BLUEI	
43-013-31299 CORNABY 2-14A2 Oil Well Producing BLUEBELL DUCH 43-013-30035 FLY/DIA L BOREN 1-14A2 Oil Well Shut-In BLUEBELL DUCHES	IESNE 1S-2W Sec 14
The Devon transaction to Linn Energy allowed EP Energy to exercise their preferential right Sections 11 amd 14 of T1S, 2W so EP Energy now owns these wells.	to purchase the leases and wells in
NAME (PLEASE PRINT) Debbie Chan TITLE Reg. Compliance	e Supervisor
SIGNATURE	
This space for State use only!	

RECEIVED SEP 2 3 2014

	STATE OF UTAH		FORM 9				
ı	DEPARTMENT OF NATURAL RESOURCE: DIVISION OF OIL, GAS, AND MINII		5.LEASE DESIGNATION AND SERIAL NUMBER: FEE				
SUNDR	Y NOTICES AND REPORTS O	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
	posals to drill new wells, significantly de reenter plugged wells, or to drill horizont n for such proposals.		7.UNIT or CA AGREEMENT NAME:				
1. TYPE OF WELL Water Disposal Well			8. WELL NAME and NUMBER: SALERATUS 2-17C5				
2. NAME OF OPERATOR: LINN OPERATING, INC.			9. API NUMBER: 43013303880000				
3. ADDRESS OF OPERATOR: Rt. 2 Box 7735 , Roosevelt.		PHONE NUMBER: 25 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1374 FNL 1174 FEL	COUNTY: DUCHESNE						
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NWNE Section:	STATE: UTAH						
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA							
TYPE OF SUBMISSION		TYPE OF ACTION					
	ACIDIZE	ALTER CASING	CASING REPAIR				
NOTICE OF INTENT		7					
Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME				
✓ SUBSEQUENT REPORT	L CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE				
Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION				
4/9/2015	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK				
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION				
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON				
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL				
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION				
	WILDCAT WELL DETERMINATION	OTHER	OTHER: MIT				
	WILDCAT WELL DETERMINATION	OTHER	·				
	COMPLETED OPERATIONS. Clearly show all the attached MIT for the Sale	-	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 15, 2015				
NAME (PLEASE PRINT) Krista Wilson	PHONE NUMBEI 435 722-1325	R TITLE Regulatory Permitting Tech					
SIGNATURE		DATE					
N/A		4/14/2015					

Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test U.S. Environmental Protection Agency Underground Injection Control Program 999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness:			Date: 4	19/15	The state of the s	
Test conducted by: Jason lefter	-					
Others present: Kent Rostain						-
Well Name: Saleratus		_ Type:	ER SWD	Status: AC	TA UC	
Field:					Control of the contro	
Location: 2-17c5 Sec: 17 T	3_N/S E	R_5_E/W	County: DV	chesne Sta	ite: UT	
Operator: Linn operating					The second second	100
Last MIT: 4 / 14 / 2010 1	Maximum A	Allowable Pres	ssure: <i>100</i> 0	o 🦺	_PSIG	
						L/Secience
Is this a regularly scheduled test?	[X] Yes	[] No		500m		
Initial test for permit?	[] Yes	[X] No				
Test after well rework?	[] Yes	[X] No				
Well injecting during test?	[X] Yes	[] No	If Yes, rate	e: 4057	bpd	Table State
Pre-test casing/tubing annulus pressure	e:	Ø	psig		And the second	
						=

7				
MIT DATA TABLE	Test #1		Test #2	Test #3
TUBING	PRESSUR	E	T .	
Initial Pressure	550	psig	psig	psig
End of test pressure	5 5 U	psig	psig	psig
CASING / TUBING	ANNULUS	5	PRESSURE	
0 minutes	1554	psig	psig	psig
5 minutes	1554	psig	psig	psig
10 minutes	1555	psig	psig	psig
. 15 minutes	1554	psig	psig	psig
20 minutes	1554 =	psig	psig	psig
25 minutes	1553	psig	, psig	psig
3.0 minutes	1553	psig	psig	psig
minutes	ž.	psig	psig	psig
minutes	·	psig	psig	psig
RESULT	[X] Pass []Fail	[] Pass []Fail	[] Pass []Fail

Does the annulus pressure build back up after the test? [] Yes

[X] No

MECHANICAL INTEGRITY PRESSURE TEST

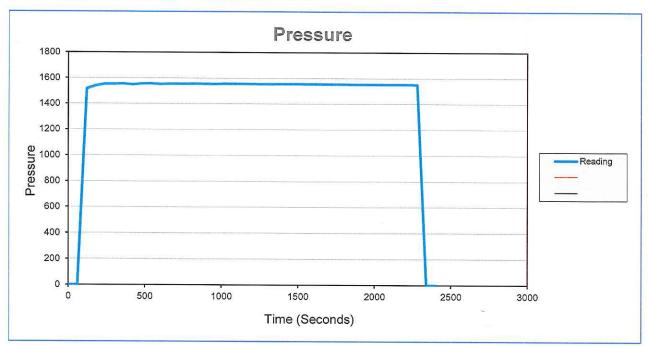
Additional comment	s for mechanical integrity	pressure test, such as vo	lume of fluid added to annulus
and bled back at en	d of test, reason for failin	g test (casing head leak, t	ubing leak, other), etc.:
			3
		WHAT AND ADDRESS OF THE PARTY O	
Signature of Witness	s: CLC	Jursen 1	D06m
		1000000	
OFFICE USE ON	LY - COMPLIANCE FO	DLLOWUP	
Staff			Date://
Do you agree with the lf not, why?	he reported test results?	[]YES []NO	0
Possible violation id If YES, what	entified? [] YES	[] NO	
35906	initiated? [] YES		
] Data Entry	[] Compliance Staff	[] 2 nd Data Entry	[] Hardcopy Filing

Data Collection Report

Sa	leratus	2-1	705
Ja	ciatus	2-1	100

Gauge Informa	tion
Serial Number	353854
Model	3KPSIXP2I
Message Store	
Units	PSI

Run Info	
Start Time	4/9/15 3:18:49 PM
Stop Time	4/9/15 3:58:52 PM
Logging Interval	60



Serial Number		353854			
Model	3KPSIXP2I			Saleratus 2-170	55
Units	PSI				
Firmware Version	R0221		Message Store		
Run Index	A -41	1			
Logging Type	Actual	60			
Logging Interval Start Time	4/0/201	60 5 15:18			
Stop Time		5 15:16			
Time	Reading	5 15.56		Event	Event Data
0	Reading			Battery OK	Eveni Daia
0				Logging Interva	1 60
0				Tare, -2.8	1, 00
0		0.2		1010, 2.0	
60		3			
120		1517.4			
180		1539.8			
240		1553.9			
300		1554.3			
360		1555.9			
420		1548.9			
480		1555.6			
540		1557.3			
600		1552.9			
660		1554.7			
720		1555.2			
780		1555.2			
840		1555.6			
900		1555.2			
960		1554.2			
1020		1556.5			
1080		1556.4			
1140		1555.8			
1200		1554.5			
1260		1554.2			
1320 1380		1554 1555			
1440		1554.4			
1500		1554.8			
1560		1555.2			
1620		1554.7			
1680		1554.2			
1740		1553.7			
1800		1553.4			
1860		1553			
1920		1552.7			
1980		1553.1			
2040		1552.9			
2100		1553			
2160		1551.9			
2220		1552.7			
2280		1551.6			

2340 2400 0.2 0.1

Sundry Number: 62564 API Well Number: 43013303880000 **Downhole Well Profile** LINN Energy Well Name: SALERATUS 2-17C5 State/Prov Section Township Range Block Survey 43013303880000 UNTA - ALTAMONT SWD OP Duchesne UT 003-S 005-W Ground Elevation (ft) Orig KB Elev (ft) KB-Grd (ft) nitial Spud Date Rig Release Date TD Date Latitude (°) Longitude (°) Operated? 5,775.00 5,792.00 17.00 7/18/1975 7/30/1975 7/29/1975 Yes Туре Des WP (psi) Make Model WP Top (psi) Service Top Ring Gasket Bore Min (in) Original Hole, 4/7/2015 7:08:40 AM Casing Strings D (ft K B) D (ft KB Csg Des OD (in) Wt/Len (lb/ft) Grade Top Thread Set Depth (ftKB) Inc I (°) DLS Conductor 48.00 42.0 36.00 K-55 Surface 9 5/8 608.0 Vertical schematic (actual) D Production 23.00 N-80 3,692.0 Perforations Top (ftKB) Date Btm (ftKB) Zone 8/3/1975 2,017.0 3,286.0 Tubing set at 1,888.0ftKB on 8/2/1994 08:00 Tubing Description String Length (ft) Set Depth (ftKB) 8/2/1994 Tubing 1,871.00 1,888.0 Item Des Make Model Jts OD (in) Wt (lb/ft) Grade Len (ft) 59 Tubing 2 7/8 6.40 H-80 1,871 .00 <des> on <dttmrun> Rod Description Run Date String Length (ft) Set Depth (ftKB) Item Des Jts Make Model OD (in) Wt (lb/ft) Grade Len (ft) Packer; 1,872.0-1,875.0 2; Tubing; 2 7/8; 17.0-1,888.0 Perforated; 2,017.0-3,286.0; 8/3/1975

Page 1/1

Report Printed: 4/7/2015

www.peloton.com

Sundry Number: 62564 API Well Number: 43013303880000 **Tubing** LINN Energy Well Name: SALERATUS 2-17C5 Block Field Name County State/Prov Section Township Range Survey 43013303880000 UNTA - ALTAMONT SWD OP Duchesne UT 003-S 005-W Ground Elevation (ft) Orig KB Elev (ft) KB-Grd (ft) Initial Spud Date Rig Release Date TD Date Latitude (°) Longitude (°) Operated? 7/29/1975 5,775.00 5,792.00 17.00 7/18/1975 7/30/1975 Yes Original Hole, 8/2/1994 8:00:00 AM Tubing T D (ftK B) Tubing Description Pull Date Set Depth (ftKB) Run Date MD 1,888.0 8/2/1994 Tubing (ftK Incl DL Run Job Pull Job B) (°) Vertical schematic (actual) Tubing, Repair / Replace, 8/2/1994 06:00, DL <afenumbercalc> 1-1; Casing Joints; 13; -12.715; 17.0-42.0; Wt (lb/ft) Top Thread OD (in) ID (in) Grade Top (ftKB) Btm (ftKB) Jts Item Des Icon Len (ft) 25.00 1,888.0 59 Tubing 2 7/8 2.4... 6.40 H-80 1,871.00 17.0 2-1; Casing Joints; 9 5/8; 8.921; 17.0-563.3; 546.25 3-1; Casing Joints; 7; -6.366; 17.0-1,021.0; 1,004.00 2-2; Float Collar; 9 -5/8; 8.921; 563.3-565.3; 2.00 2-3; Casing Joints; 9 -5/8; 8.921; 565.2-607.2; 42.00 2-4; Guide Shoe; 9 5/8; 8.921; 607.2-608.0; 0.75 2-1; Tubing; 2 7/8; -2.441; 17.0-1,888.0; 1,871.00 3-2; Marker Joint; 7; -6.366; 1,021.0-1,023.0; 2.00 National Control of the Control of t 3-3; Casing Joints; 7; -6.366; 1,023.0-3,647.3; 2,624.25 Perforated; 2,017.0-3,286.0; 8/3/1975 3-4; Float Collar; 7; 3,649.3; 2.00 3-5: Casing Joints: 7: -6.366; 3,649.2-3,691.3; 42.00 3-6; Guide Shoe; 7; 6.366; 3.691.3-3,692.0; 0.75

	STATE OF UTAH DEPARTMENT OF NATURAL RESOURC		FORM 9
	5.LEASE DESIGNATION AND SERIAL NUMBER: FEE		
SUNDR	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	posals to drill new wells, significantly or reenter plugged wells, or to drill horizon n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Water Disposal Well			8. WELL NAME and NUMBER: SALERATUS 2-17C5
2. NAME OF OPERATOR: LINN OPERATING, INC.			9. API NUMBER: 43013303880000
3. ADDRESS OF OPERATOR: Rt. 2 Box 7735 , Roosevelt	, UT, 84066 435 722-1	PHONE NUMBER: 325 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1374 FNL 1174 FEL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSH	IIP, RANGE, MERIDIAN: 17 Township: 03.0S Range: 05.0W Meri	dian: U	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	New construction
4/9/2015		PLUG AND ABANDON	PLUG BACK
	OPERATOR CHANGE		
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	LI TEMPORARY ABANDON
DRILLING REPORT	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
	WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: MIT
l .	completed operations. Clearly show a gee attached MIT for the Sale		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 23, 2015
NAME (PLEASE PRINT) Andrea Gurr	PHONE NUMB 435 722-1325	ER TITLE Regulatory & Permit Tech	
SIGNATURE		DATE 4/17/2015	
N/A		4/11/2013	

RECEIVED: Apr. 17, 2015

Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test U.S. Environmental Protection Agency Underground Injection Control Program 999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness:			Date: 4/	9 / 15		
Test conducted by: Jason lefter				No.	-	
Others present: <u>Kent Rastain</u>						
				i i		
Well Name: Saleratus		Type: 1	ER WD	Status: AC	TA UC	
Field:					The second second	
Location: 2-17C5 Sec: 17 T 3	<u>3</u> n/s r	2 5 E/W C	ounty: Duck	resne Sta	ite: UT	
Operator: Linn operating					The state of the state of	
Last MIT: 4 / 14 / 2010 N	/Iaximum A	llowable Press	ure: <i>100</i> 0_		_PSIG	
				\$ 100 miles	The side of the second section is a second	
Is this a regularly scheduled test?	[X] Yes	[] No		90m		
Initial test for permit?	[] Yes	[X] No				
Test after well rework?	[] Yes	[X] No				
Well injecting during test?	[X] Yes	[] No	If Yes, rate: _	4057	bpd	
Pre-test casing/tubing annulus pressure	:	Ø	psig		AND STATE OF THE S	

MIT DATA TABLE	Test #1		Test #2	Test #3
TUBING	PRESSURE	!	a .	
Initial Pressure	550	psig	psig	psig
End of test pressure	550	psig	psig	psig
CASING / TUBING	ANNULUS		PRESSURE	The Spring aggregation for the second
0 minutes	1554	psig	psig	psig
5 minutes	1554	psig	psig	psig
10 minutes	1555	psig	psig	psig
· 15 minutes	1554	psig	psig	psig
20 minutes	1554	psig	psig	psig
25 minutes	1553	psig	, psig	psig
3.0 minutes	1553	psig	psig	psig
minutes	8	psig	psig	psig
minutes		psig	psig	psig
RESULT	[X] Pass []	Fail	[] Pass []Fail	[] Pass []Fail

Does the annulus pressure build back up after the test? [] Yes

MECHANICAL INTEGRITY PRESSURE TEST

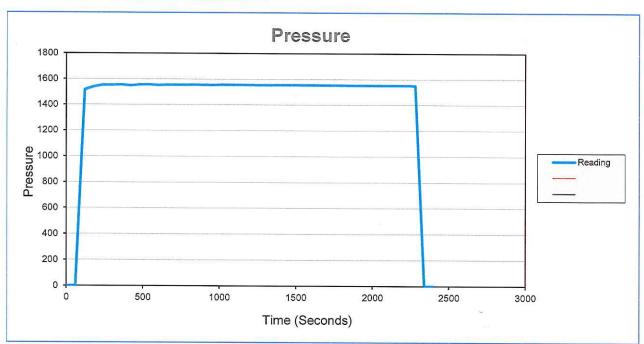
Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:
- County House Touring House Touring Teak, Other J, etc
·
Signature of Witness: DOGM
OFFICE LISE ONLY COMPLIANCE FOLLOWING
OFFICE USE ONLY - COMPLIANCE FOLLOWUP
Staff Date: / /
Date: Date: Date: Date:
Possible violation identified? [] YES [] NO If YES, what
If YES - followup initiated? [] YES [] NO - why not?
] Data Entry [] Compliance Staff [] 2 nd Data Entry [] Hardcopy Filing

Data Collection Report

Sa	leratus	2-17C5
Ou	Ciulus	2 11 00

Gauge Informa	tion
Serial Number	353854
Model	3KPSIXP2I
Message Store	
Units	PSI

Run Info	
Start Time	4/9/15 3:18:49 PM
Stop Time	4/9/15 3:58:52 PM
Logging Interval	60



Serial Number	2520	ΕΛ			
Model	3538 3KPSIXP2I	54		Saleratus 2-170	`5
Units	PSI			Saleratus 2-17	,5
Firmware Version			Message Store		
Run Index	110221	1	Wessage Otore		
Logging Type	Actual				
Logging Interval		60			
Start Time	4/9/2015 15:				
Stop Time	4/9/2015 15:				
Time	Reading			Event	Event Data
0				Battery OK	
0				Logging Interva	1. 60
0				Tare, -2.8	
0	(0.2		,	
60		3			
120	151	7.4			
180	1539	9.8			
240					
300	1554	4.3			
360	155	5.9			
420	1548	8.9			
480	155	5.6			
540		7.3			
600					
660					
720					
780					
840					
900					
960					
1020					
1080					
1140					
1200					
1260					
1320 1380		54			
1440		555			
1500					
1560					
1620					
1680					
1740					
1800					
1860		553			
1920					
1980					
2040					
2100		553			
2160					
2220					

2280

1551.6

2340 2400 0.2 0.1

Sundry Number: 62735 API Well Number: 43013303880000 **Downhole Well Profile** LINN Energy Well Name: SALERATUS 2-17C5 State/Prov Section Township Range Block Survey 43013303880000 UNTA - ALTAMONT SWD OP Duchesne UT 003-S 005-W Ground Elevation (ft) Orig KB Elev (ft) KB-Grd (ft) nitial Spud Date Rig Release Date TD Date Latitude (°) Longitude (°) Operated? 5,775.00 5,792.00 17.00 7/18/1975 7/30/1975 7/29/1975 Yes Туре Des WP (psi) Make Model WP Top (psi) Service Top Ring Gasket Bore Min (in) Original Hole, 4/7/2015 7:08:40 AM Casing Strings D (ft K B) D (ft KB Csg Des OD (in) Wt/Len (lb/ft) Grade Top Thread Set Depth (ftKB) Inc I (°) DLS Conductor 48.00 42.0 36.00 K-55 Surface 9 5/8 608.0 Vertical schematic (actual) D Production 23.00 N-80 3,692.0 Perforations Top (ftKB) Date Btm (ftKB) Zone 8/3/1975 2,017.0 3,286.0 Tubing set at 1,888.0ftKB on 8/2/1994 08:00 Tubing Description String Length (ft) Set Depth (ftKB) 8/2/1994 Tubing 1,871.00 1,888.0 Item Des Make Model Jts OD (in) Wt (lb/ft) Grade Len (ft) 59 Tubing 2 7/8 6.40 H-80 1,871 .00 <des> on <dttmrun> Rod Description Run Date String Length (ft) Set Depth (ftKB) Item Des Jts Make Model OD (in) Wt (lb/ft) Grade Len (ft) Packer; 1,872.0-1,875.0 2; Tubing; 2 7/8; 17.0-1,888.0 Perforated; 2,017.0-3,286.0; 8/3/1975

Page 1/1

Report Printed: 4/7/2015

www.peloton.com

Sundry Number: 62735 API Well Number: 43013303880000 **Tubing** LINN Energy Well Name: SALERATUS 2-17C5 Block Field Name County State/Prov Section Township Range Survey 43013303880000 UNTA - ALTAMONT SWD OP Duchesne UT 003-S 005-W Ground Elevation (ft) Orig KB Elev (ft) KB-Grd (ft) Initial Spud Date Rig Release Date TD Date Latitude (°) Longitude (°) Operated? 7/29/1975 5,775.00 5,792.00 17.00 7/18/1975 7/30/1975 Yes Original Hole, 8/2/1994 8:00:00 AM Tubing T D (ftK B) Pull Date Tubing Description Set Depth (ftKB) Run Date MD 1,888.0 8/2/1994 Tubing (ftK Incl DL Run Job Pull Job B) (°) Vertical schematic (actual) Tubing, Repair / Replace, 8/2/1994 06:00, DL <afenumbercalc> 1-1; Casing Joints; 13; -12.715; 17.0-42.0; Wt (lb/ft) Top Thread OD (in) ID (in) Grade Top (ftKB) Btm (ftKB) Jts Item Des Icon Len (ft) 25.00 1,888.0 59 Tubing 2 7/8 2.4... 6.40 H-80 1,871.00 17.0 2-1; Casing Joints; 9 5/8; 8.921; 17.0-563.3; 546.25 3-1; Casing Joints; 7; -6.366; 17.0-1,021.0; 1,004.00 2-2; Float Collar; 9 -5/8; 8.921; 563.3-565.3; 2.00 2-3; Casing Joints; 9 -5/8; 8.921; 565.2-607.2; 42.00 2-4; Guide Shoe; 9 5/8; 8.921; 607.2-608.0; 0.75 2-1; Tubing; 2 7/8; -2.441; 17.0-1,888.0; 1,871.00 3-2; Marker Joint; 7; -6.366; 1,021.0-1,023.0; 2.00 National Control of the Control of t 3-3; Casing Joints; 7; -6.366; 1,023.0-3,647.3; 2,624.25 Perforated; 2,017.0-3,286.0; 8/3/1975 3-4; Float Collar; 7; 3,649.3; 2.00 3-5: Casing Joints: 7: -6.366; 3,649.2-3,691.3; 42.00 3-6; Guide Shoe; 7; 6.366; 3.691.3-3,692.0; 0.75